

FRBR e il catalogo

Bologna, 20-02-2004

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Modello Entità-Relazione

- Entità
- Relazioni
- Attributi



Entità FRBR

Gruppo 1: Prodotti dell'attività intellettuale e/o artistica

- **Opera**
- **Espressione**
- **Manifestazione**
- **Item (esemplare, unità)**

Entità FRBR

Gruppo 2: Entità responsabili per il contenuto intellettuale e/o artistico

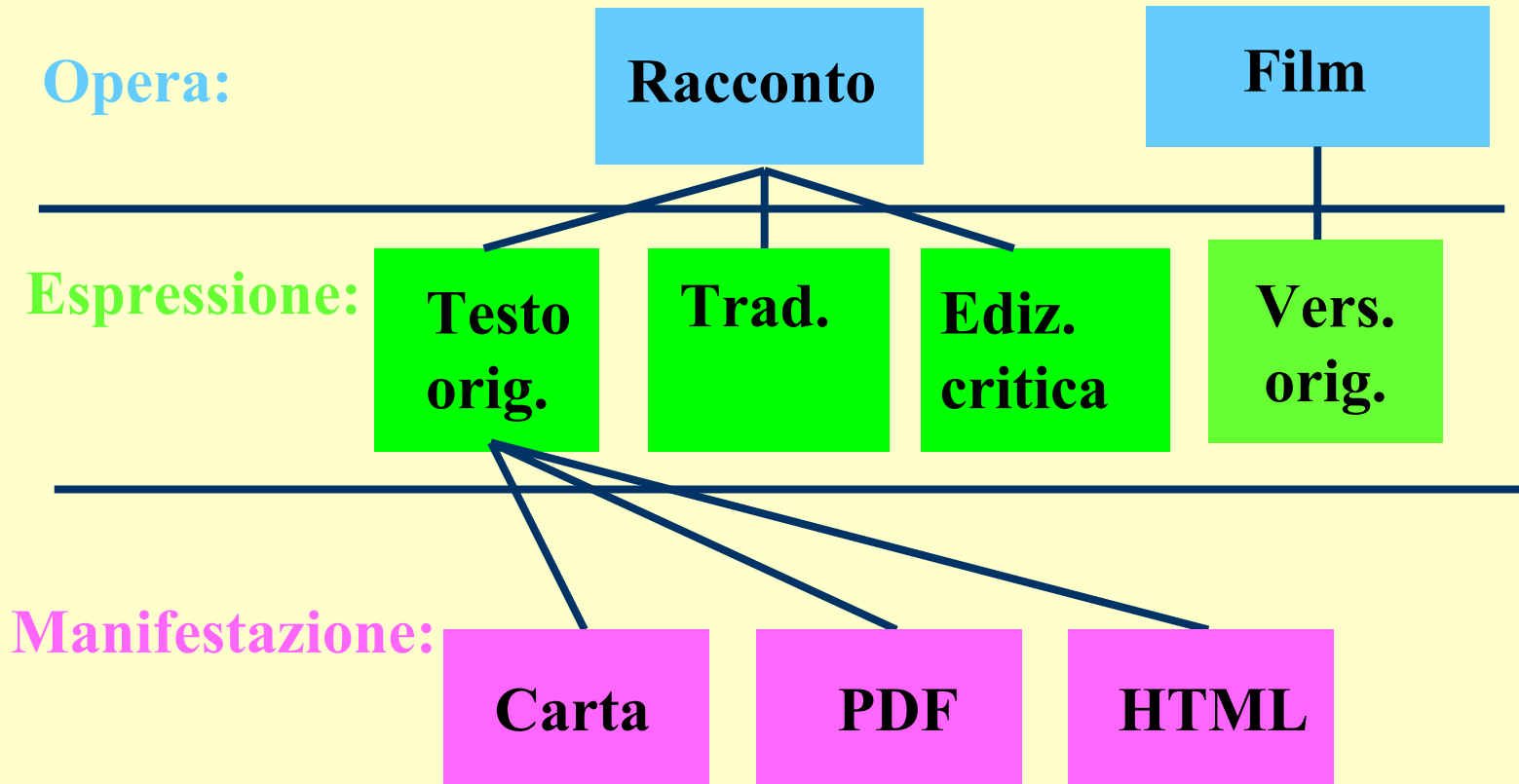
- **Persone fisiche**
- **Enti**

Entità FRBR

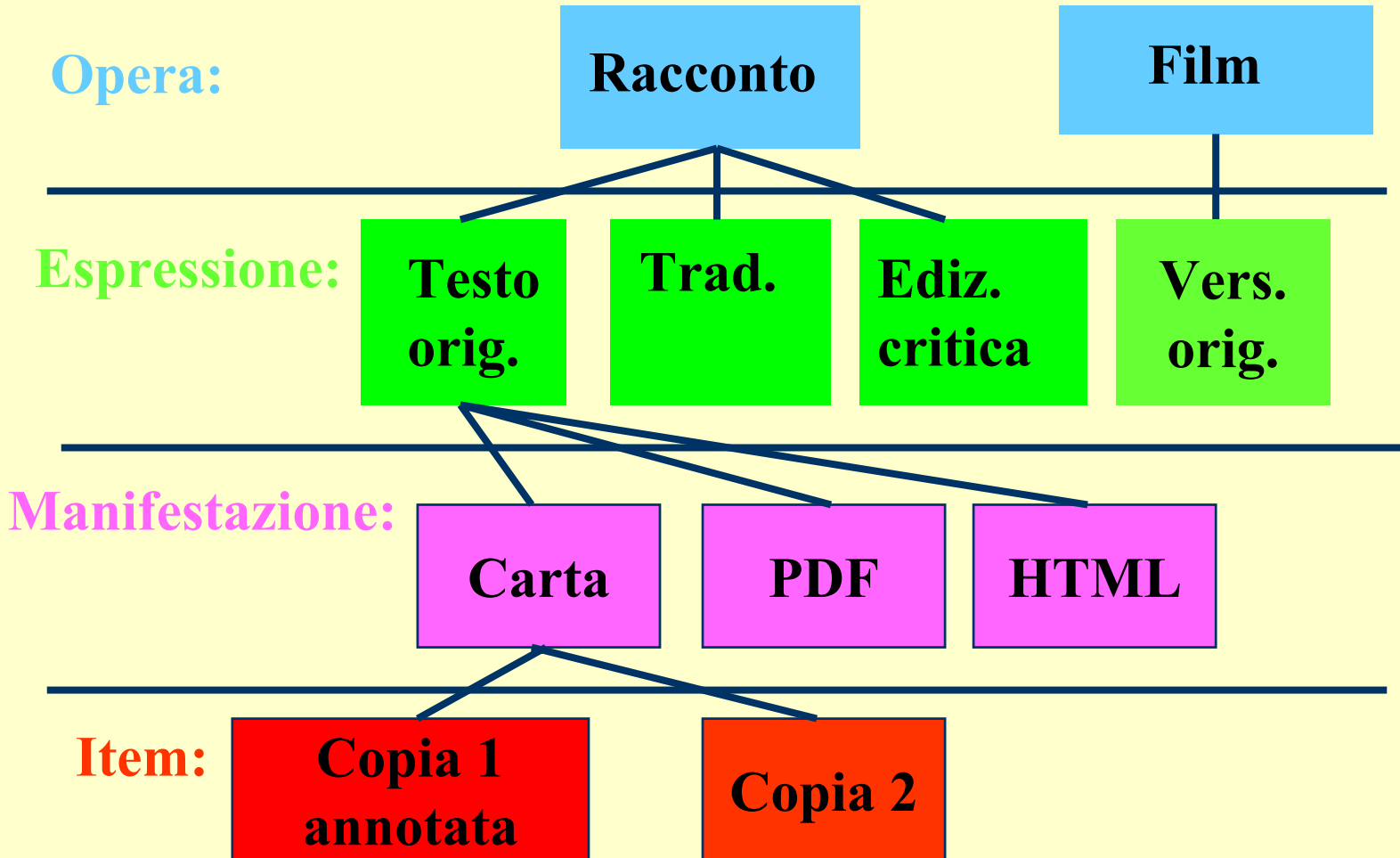
Gruppo 3: Soggetti di opere

- **Entità dei Gruppi 1 e 2**
- **Concetti**
- **Oggetti**
- **Eventi**
- **Luoghi**

Livelli FRBR

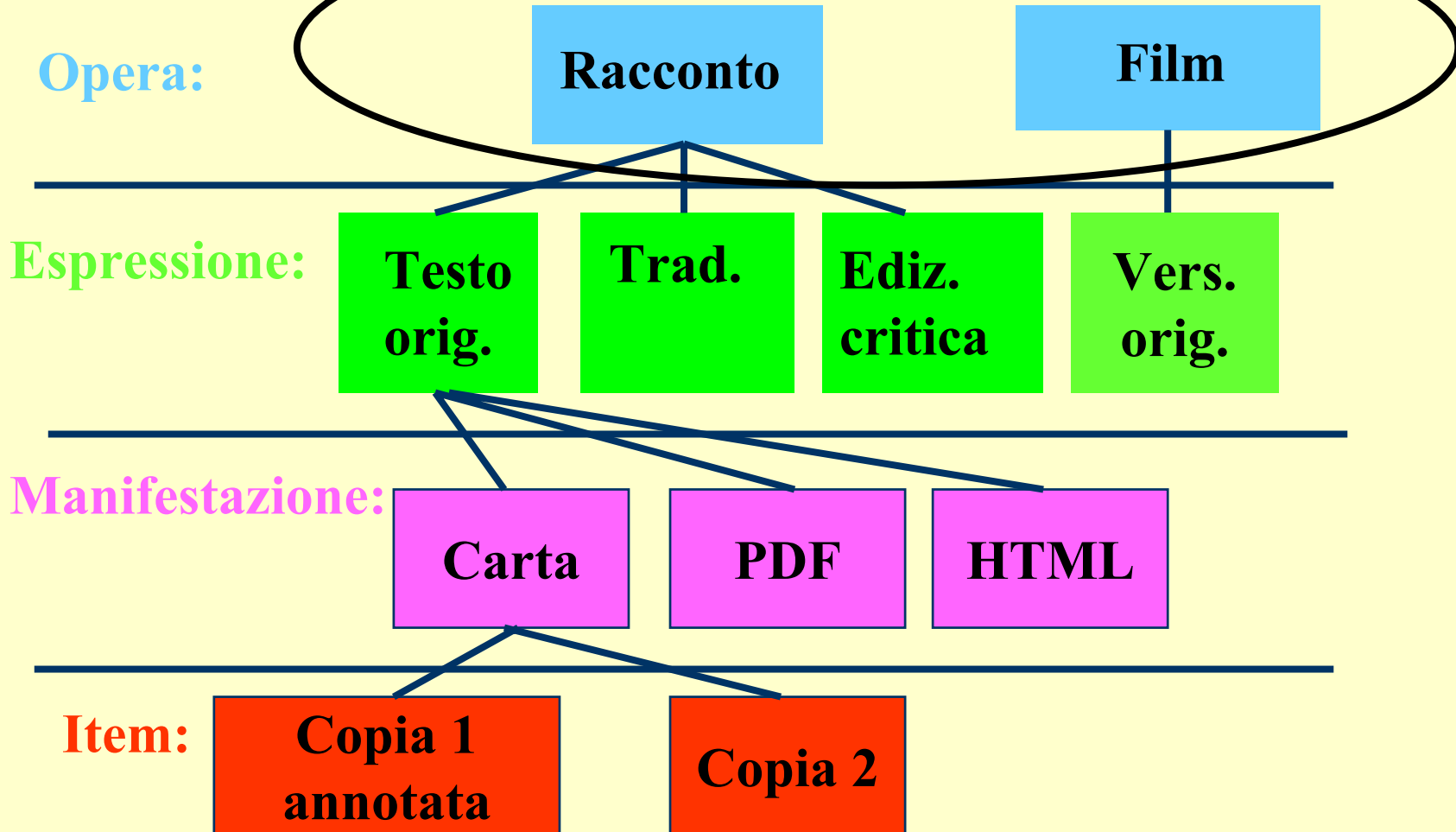


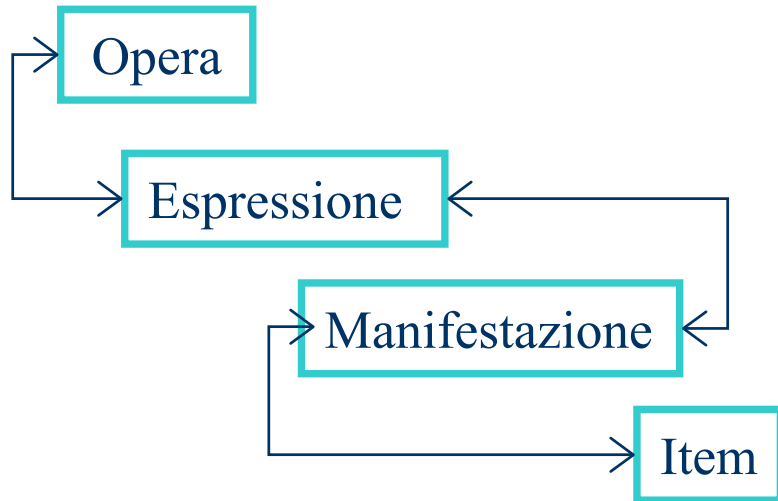
Livelli FRBR



Livelli FRBR

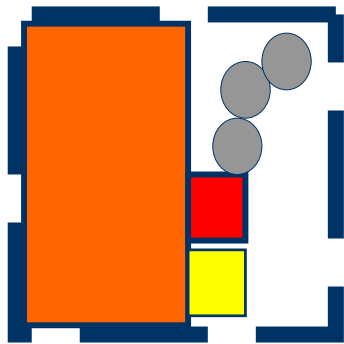
Famiglia delle opere



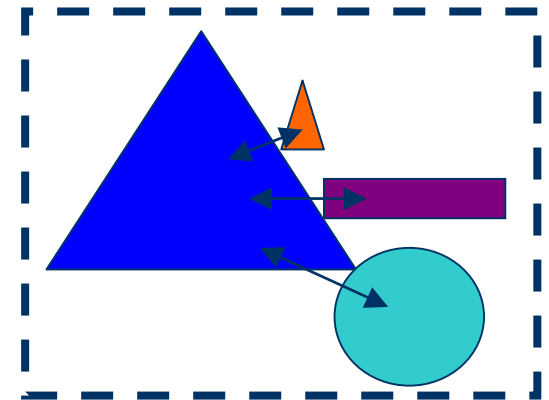
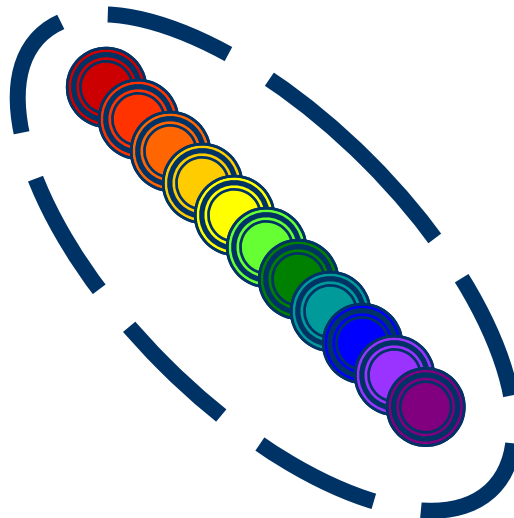


Relazioni

- Inerenti alle entità
- Di contenuto tra le opere

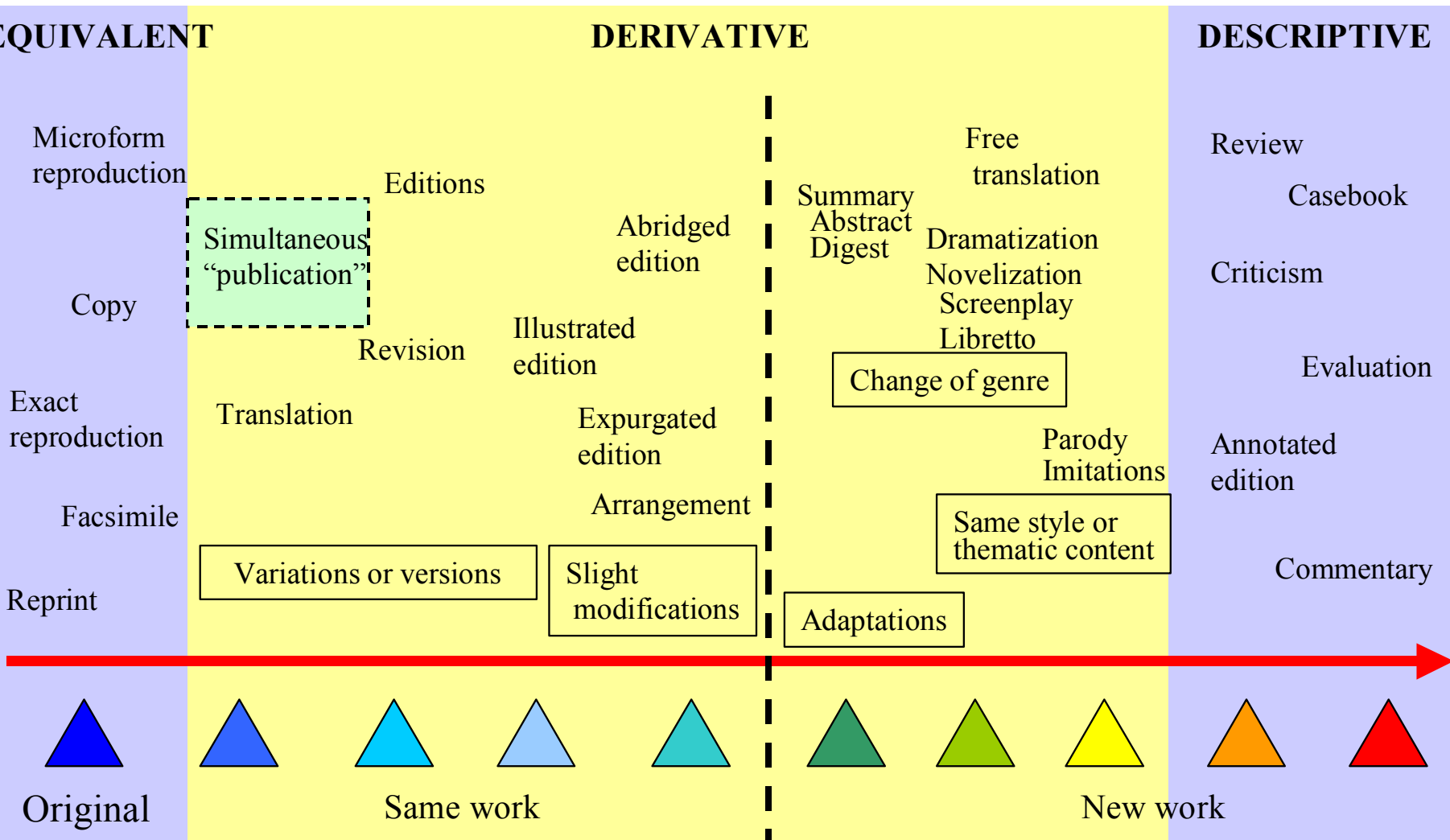


Intero-Parte



Complementare

Family of Works



Same Expression

New Expression

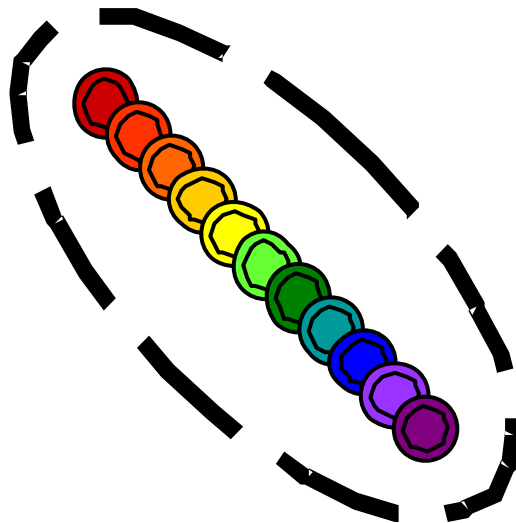
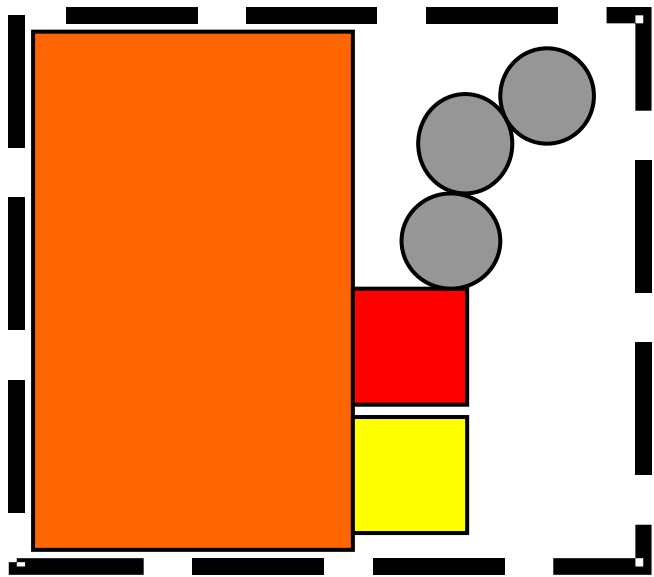
Cataloging Rules
cut-off point

New Work

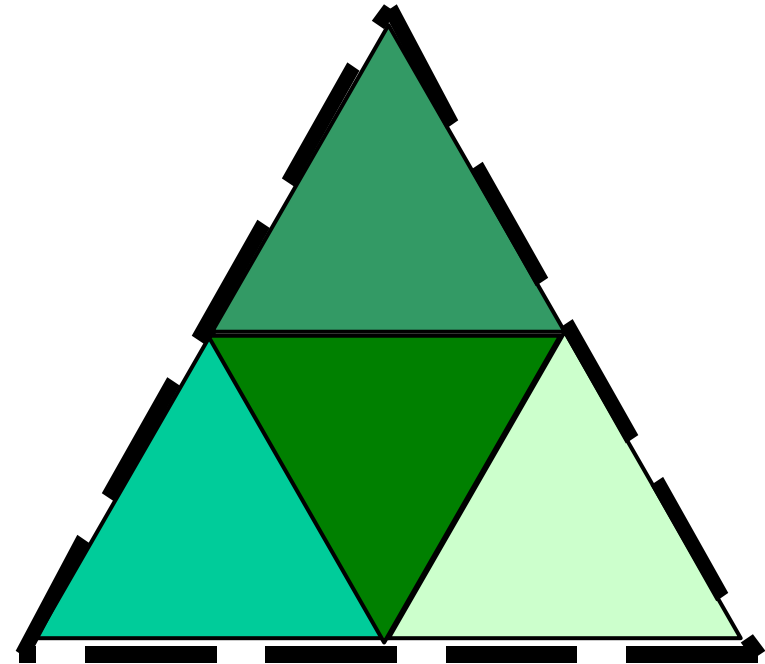
Relazioni Intero-Parte

- **Componenti**
- **Aggregati**

Relazioni intero-parte



Opere all'interno di opere
Componenti/Aggregazioni



Forma = contenitore/ supporto
Colore = contenuto

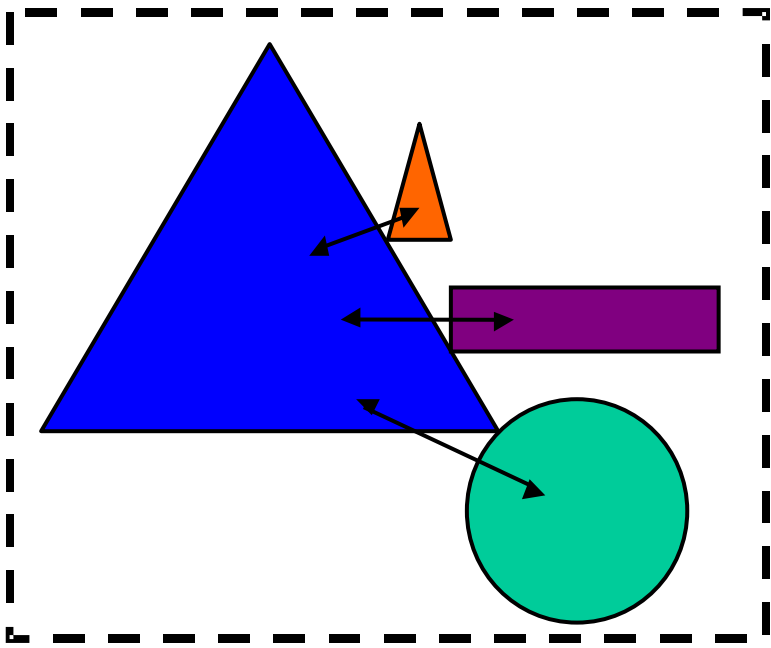
Relazioni Parte-parte

- **Componente a componente**
 - **Relazione sequenziale**
 - **Relazione di complementarità**
 - **Dipendente**
 - **Indipendente**

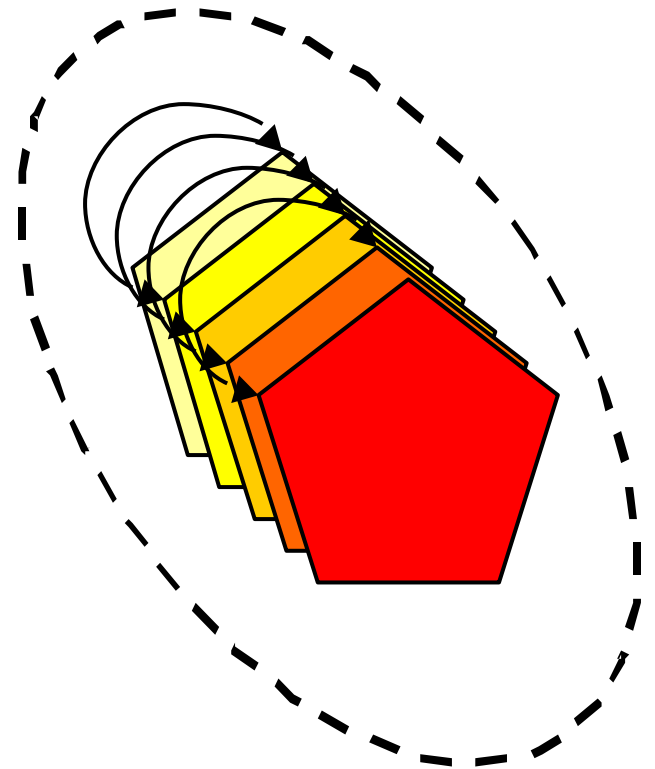
Relazioni parte-parte

Opere all'interno di opere
Componente con componente

Relazioni di complementarità



Relazioni di sequenza



Forma = contenitore/ supporto
Colore = contenuto

Attributi delle entità del Gruppo 1

- **Opera**

- ID
- Titolo
- Data
- etc.

- **Espressione**

- ID
- Titolo
- Forma
- Data
- Lingua
- etc.

- **Manifestazione**

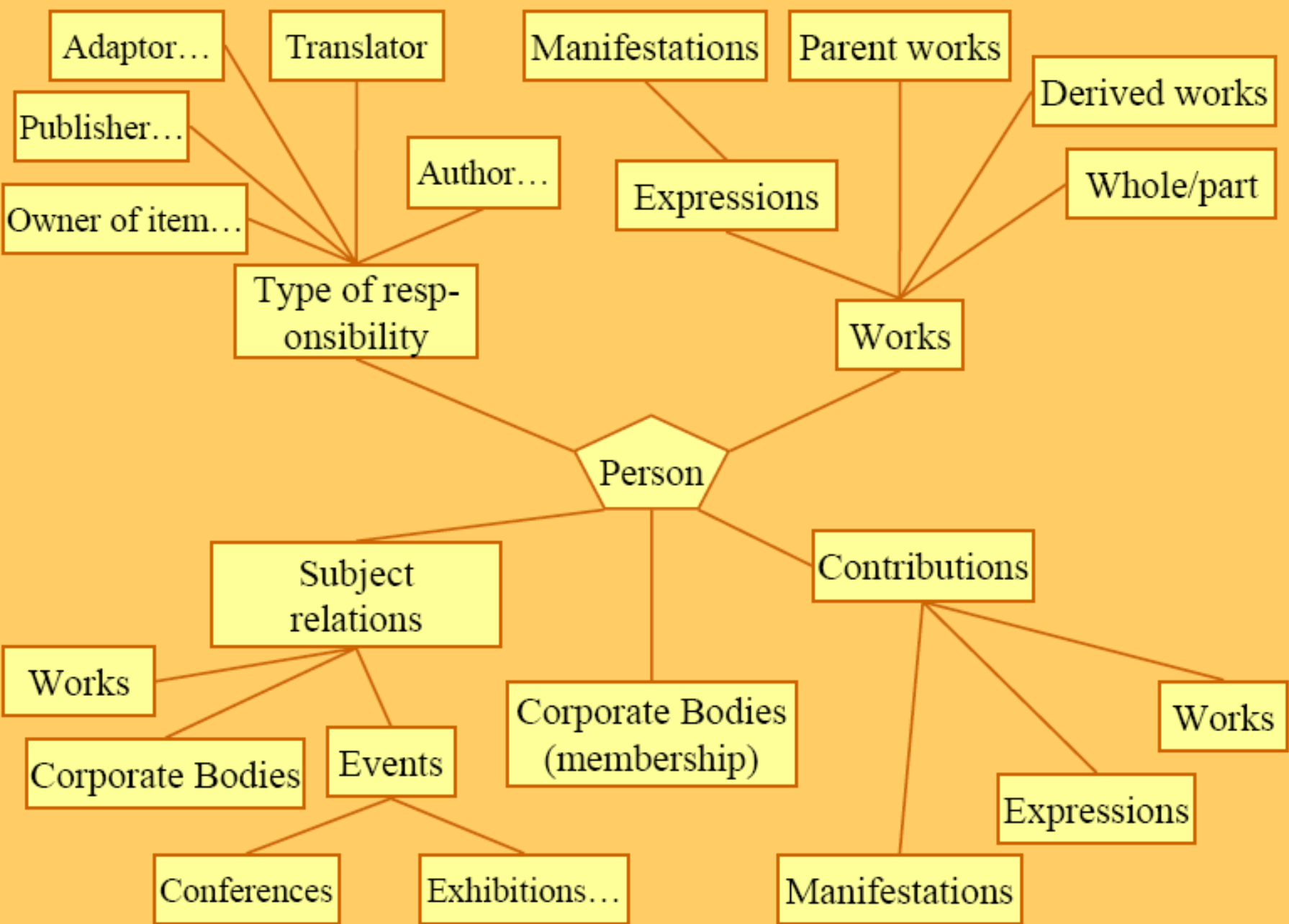
- ID
- Titolo
- Formulazione di responsabilità
- Edizione
- Pubblicazione (luogo, editore, data)
- Forma/estensione del supporto
- Condizioni di disponibilità
- Modalità di accesso
- etc.

- **Item**

- ID
- Provenienza
- Localizzazione
- etc.

Relazione vs. Attributo





Possibili applicazioni di FRBR

Scenario A - Attuale

Record di
autorità

Titolo
uniforme
di opera/
espressione

Persona

Titolo uniforme
di serie (opera/
espressione)

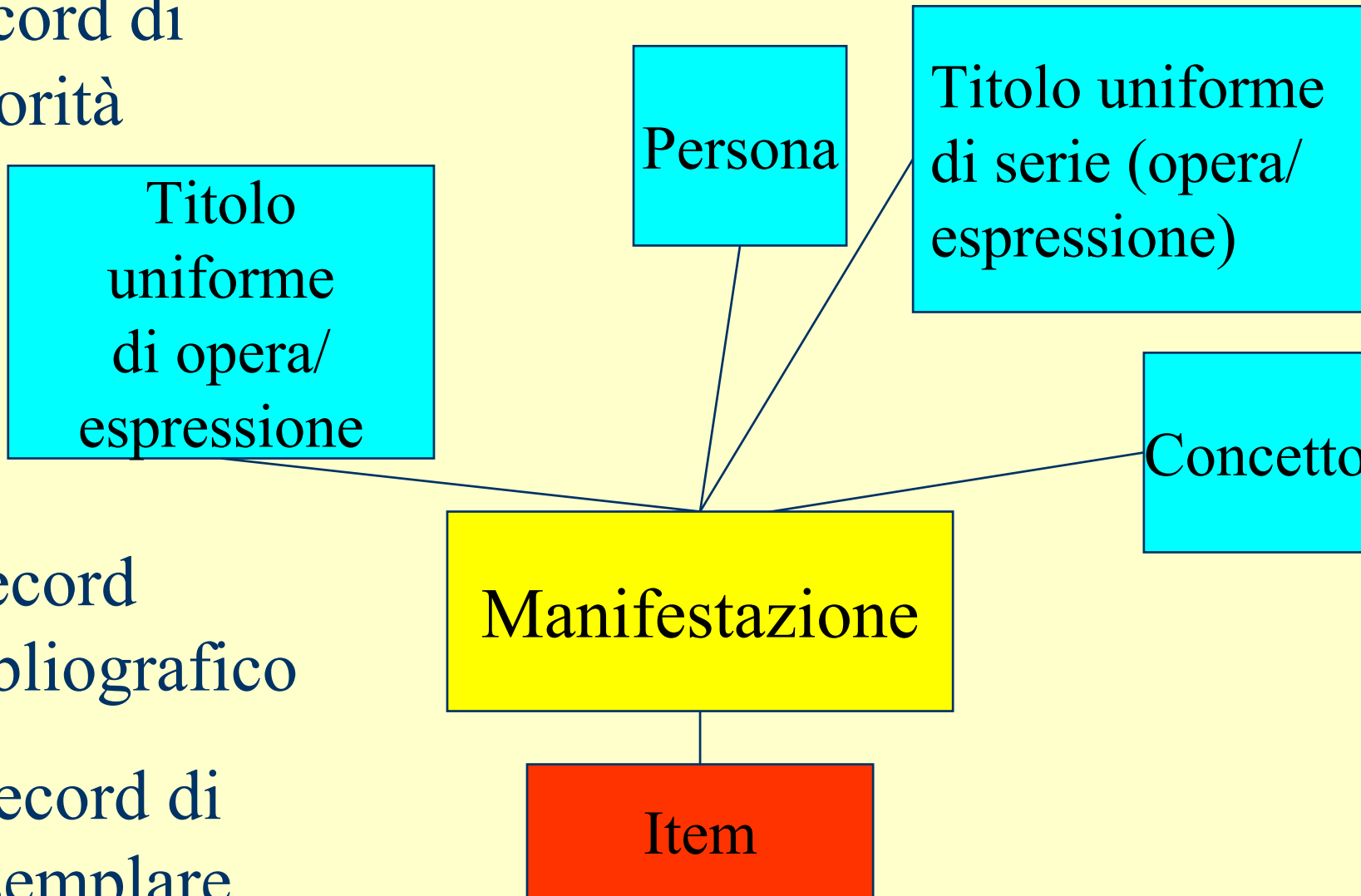
Concetto

Manifestazione

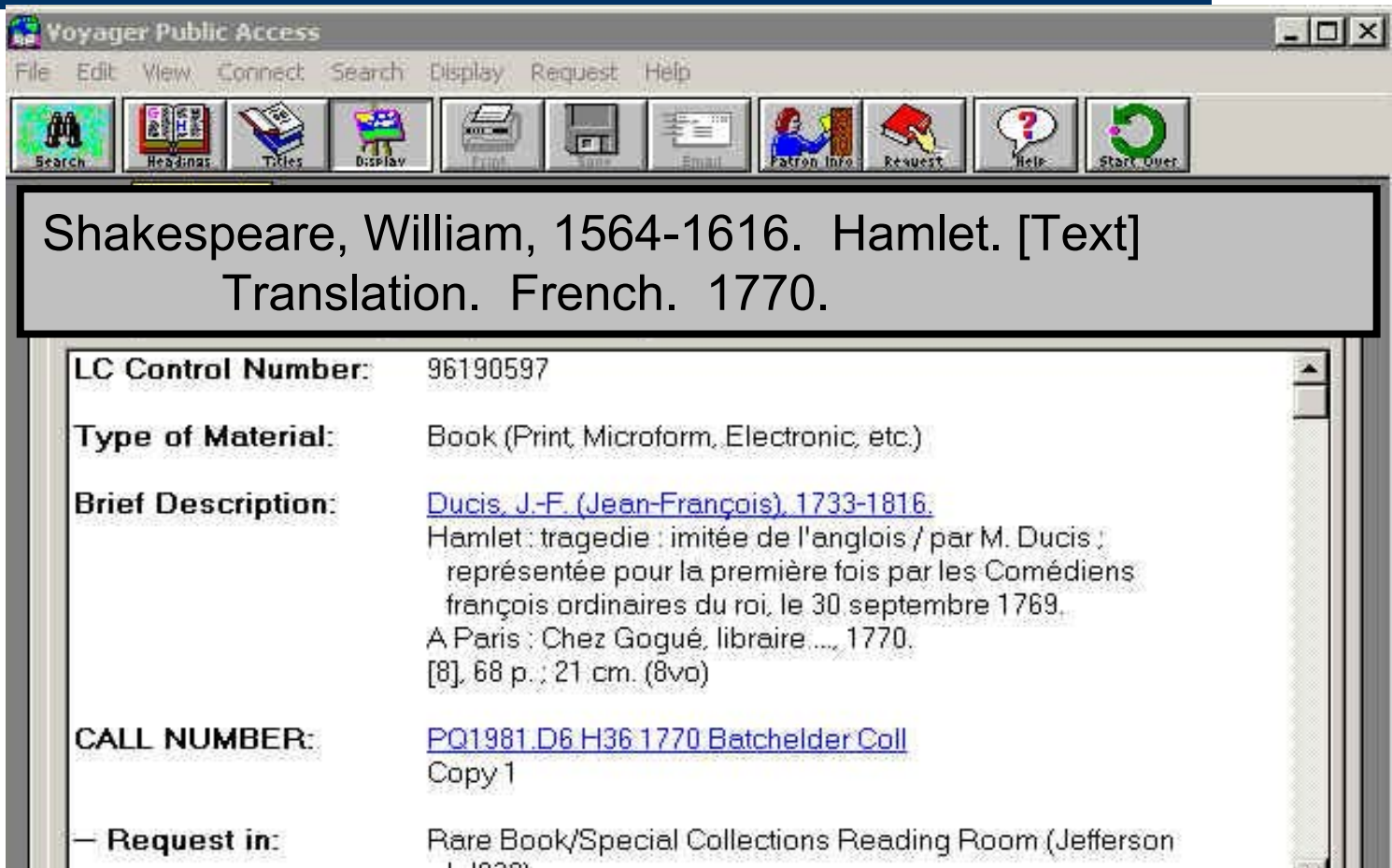
Record
bibliografico

Record di
esemplare

Item



Visualizzazione FRBR



The screenshot shows a web browser window titled "Voyager Public Access". The menu bar includes "File", "Edit", "View", "Connect", "Search", "Display", "Request", and "Help". The toolbar contains icons for Search, Headings, Titles, Display, Print, Home, Email, Patron Info, Request, Help, and Start Over.

**Shakespeare, William, 1564-1616. Hamlet. [Text]
Translation. French. 1770.**

LC Control Number: 96190597

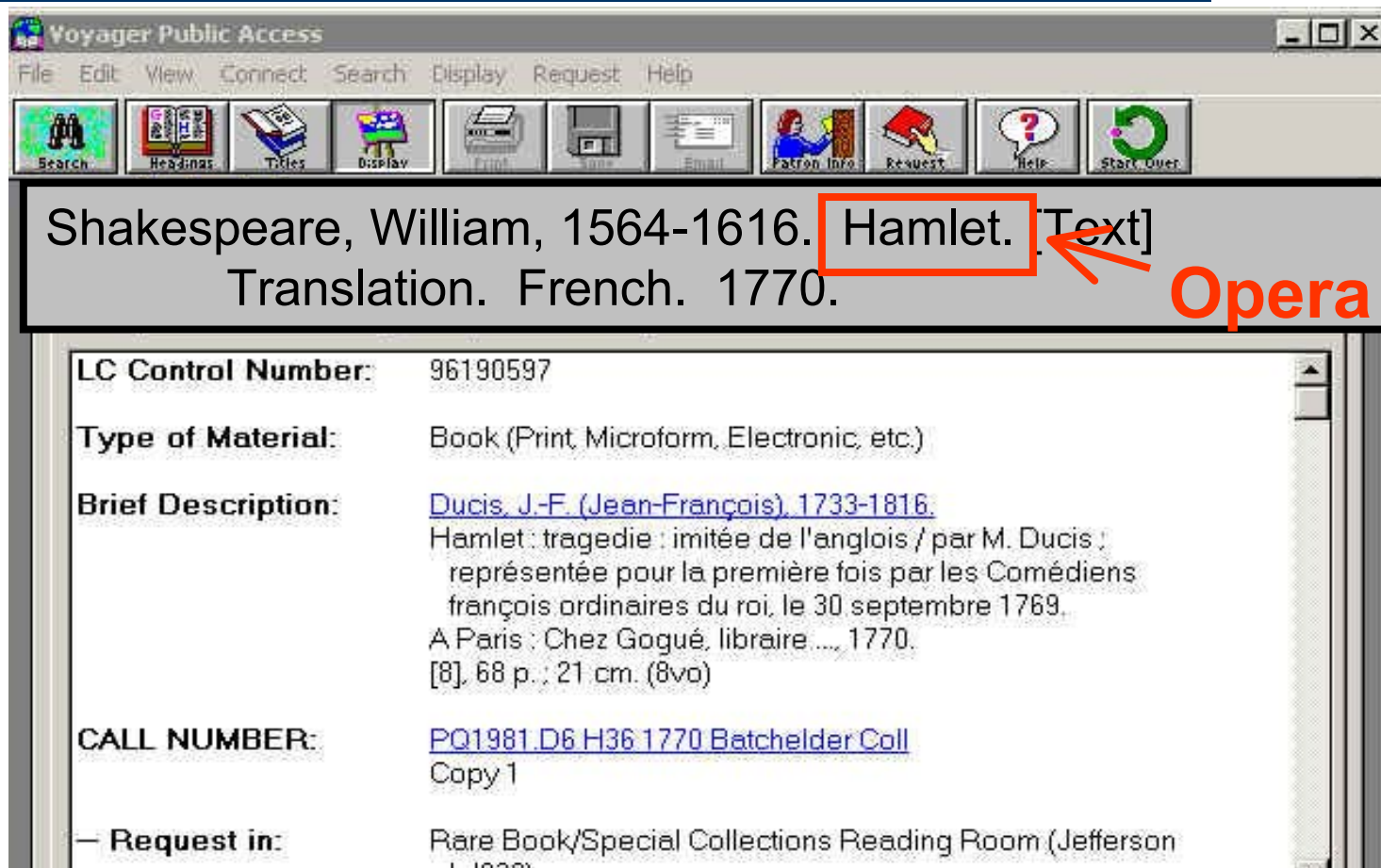
Type of Material: Book (Print, Microform, Electronic, etc.)

Brief Description: [Ducis, J.-F. \(Jean-François\), 1733-1816.](#)
Hamlet : tragedie : imitée de l'anglois / par M. Ducis :
représentée pour la première fois par les Comédiens
françois ordinaires du roi, le 30 septembre 1769.
A Paris : Chez Gogué, libraire ..., 1770.
[8], 68 p. : 21 cm. (8vo)

CALL NUMBER: [PQ1981.D6 H36 1770 Batchelder Coll](#)
Copy 1

Request in: Rare Book/Special Collections Reading Room (Jefferson
L 1020)

Visualizzazione FRBR



Shakespeare, William, 1564-1616. **Hamlet. [Text]** ← **Opera**
Translation. French. 1770.

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Request in: Rare Book/Special Collections Reading Room (Jefferson
1033)

Visualizzazione FRBR

Voyager Public Access

File Edit View Connect Search Display Request Help

Search Headings Titles Display Print Save Email Patron Info Request Help Start Over

Shakespeare, William, 1564-1616. Hamlet. [Text]
Translation. French. 1770.

LC Control Number: 96190597

Type of Material: Book (Print, Microform, Electronic, etc.)

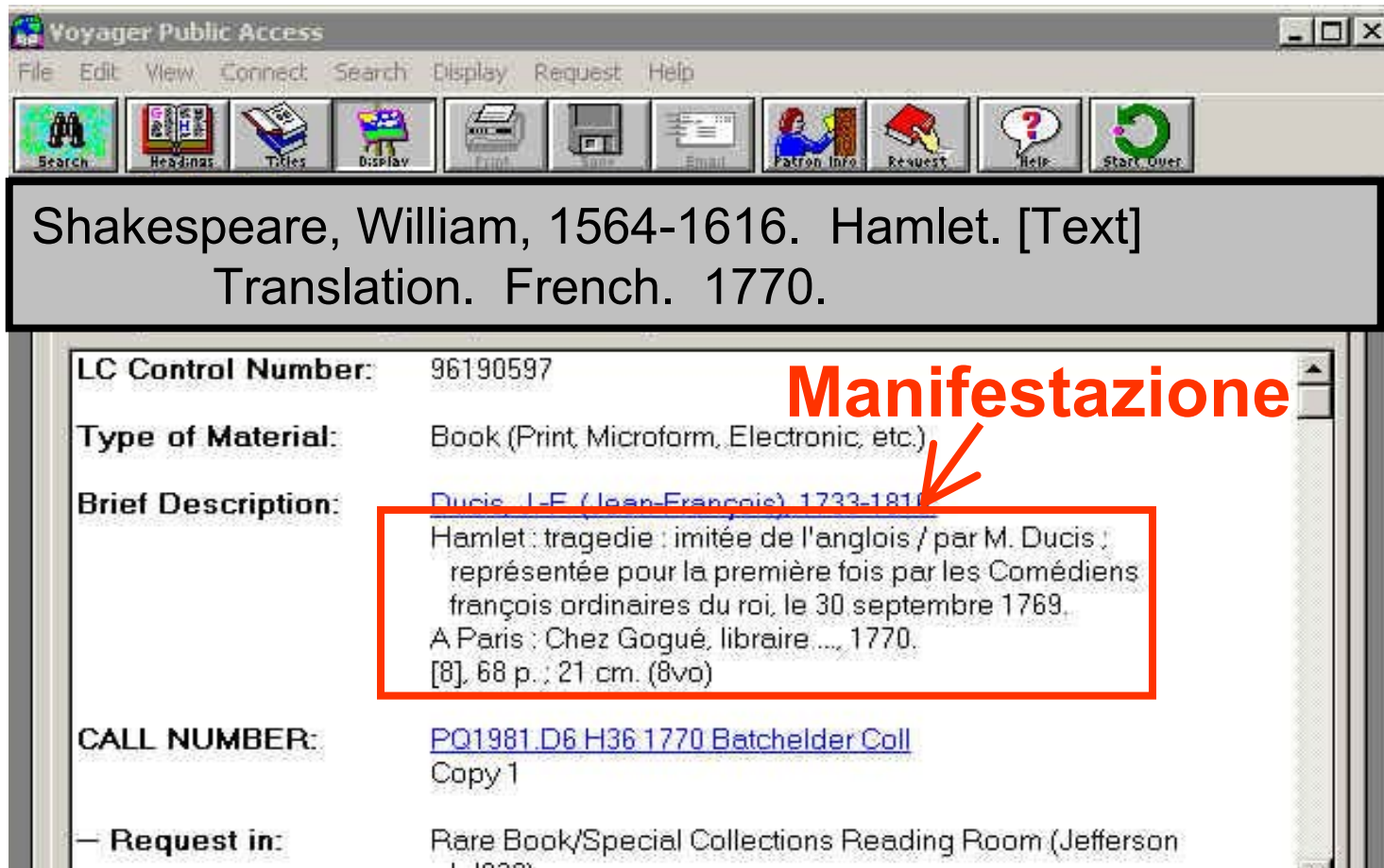
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A Paris : Chez Gogué, libraire, 1770.
[8], 68 p. : 21 cm. (8vo)

CALL NUMBER: [PQ1981.D6 H36 1770 Batchelder Coll](#)
Copy 1

— Request in: Rare Book/Special Collections Reading Room (Jefferson
L 1020)

Espressione

Visualizzazione FRBR



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Shakespeare, William, 1564-1616. Hamlet. [Text]
Translation. French. 1770.

Manifestazione

LC Control Number: 96190597

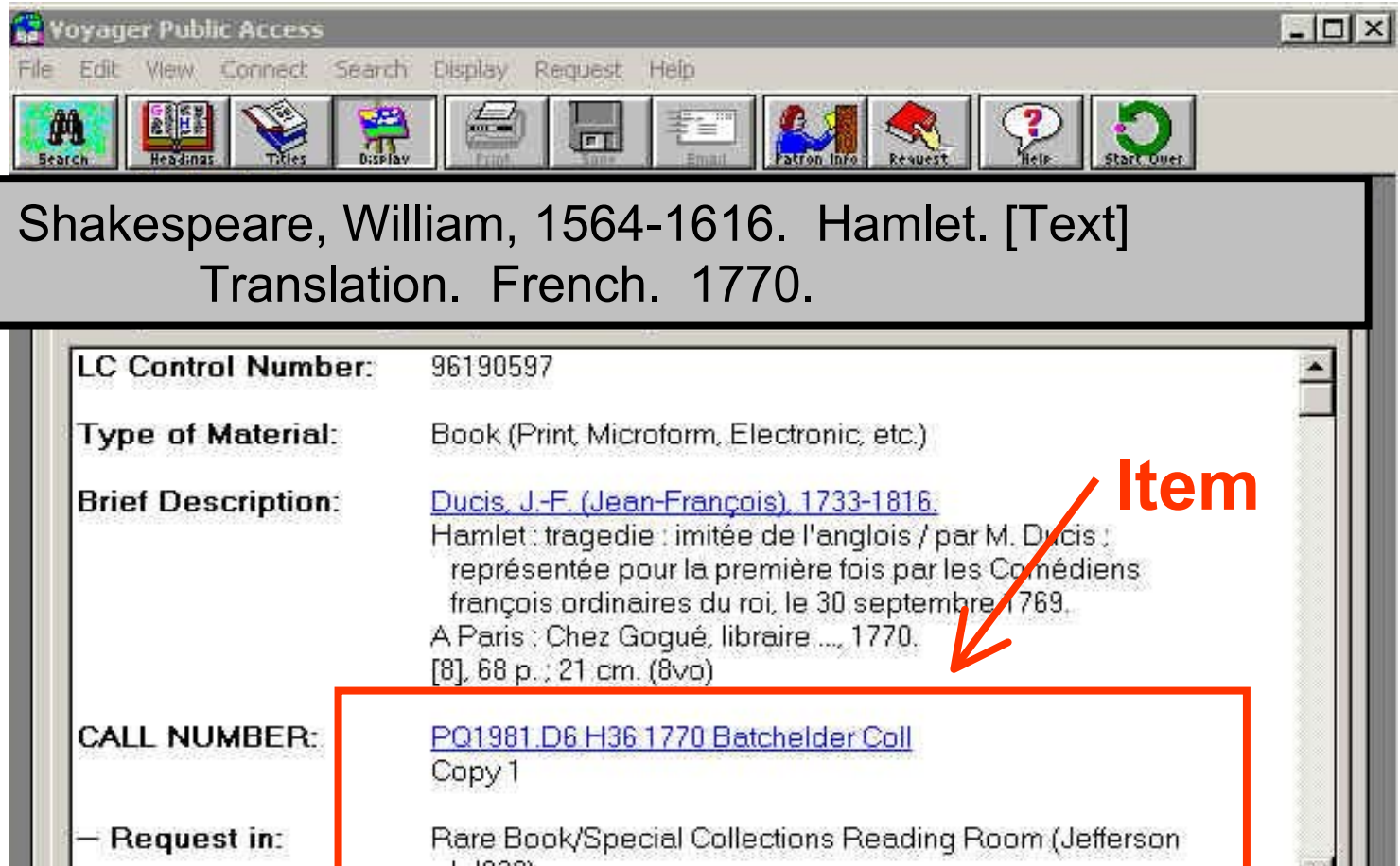
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Brief Description: [Ducis, J-F. \(Jean-François\), 1733-1811](#)
Hamlet: tragedie : imitée de l'anglois / par M. Ducis :
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Copy 1

Request in: Rare Book/Special Collections Reading Room (Jefferson
1033)

Visualizzazione FRBR



The screenshot shows a web browser window titled "Voyager Public Access". The menu bar includes "File", "Edit", "View", "Connect", "Search", "Display", "Request", and "Help". The toolbar contains icons for Search, Headings, Titles, Display, Print, Save, Email, Patron Info, Request, Help, and Start Over. The main content area displays a record for a book by Shakespeare, William (1564-1616), titled "Hamlet. [Text] Translation. French. 1770." The record includes the following fields:

- LC Control Number:** 96190597
- Type of Material:** Book (Print, Microform, Electronic, etc.)
- Brief Description:** [Ducis, J.-F. \(Jean-François\), 1733-1816.](#) Hamlet: tragedie : imitée de l'anglois / par M. Ducis : représentée pour la première fois par les Comédiens françois ordinaires du roi, le 30 septembre 1769. A Paris : Chez Gogué, libraire, 1770. [8], 68 p. : 21 cm. (8vo)
- CALL NUMBER:** [PQ1981.D6 H36 1770 Batchelder Coll](#)
Copy 1
- Request in:** Rare Book/Special Collections Reading Room (Jefferson

An orange arrow points from the word "Item" to the call number field, which is also enclosed in an orange box.

Super record: autore

Shakespeare, William, 1564-1616.

Complete works

Selections

Individual plays:

--All's well that ends well

--As you like it

--.....

--Hamlet

--King Lear

--Macbeth

--.....

Poems:

--Poems in general

--Sonnets

--Epic poems

--Lyric poems

WORKS ABOUT SHAKESPEARE:

--History and criticisms

--Bibliographies

--Concordances

--Periodicals (Print; Electronic)

--Websites

Super record: autore

Shakespeare, William, 1564-1616.

Hamlet

This work includes the following editions/manifestations available in/through this catalogue:

Texts (editions)

Translations

Adaptations or arrangements (by type of modification)

Changes of Genre (music performances, operas, novelisation, etc.)

Versions (by physical form)

Super record: titolo

Anglo-American Cataloging Rules

This work includes the following editions/manifestations available in/through this catalogue:

Complete editions (by date, editor)

Selections

Translations

Electronic version

Periodicals

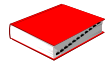
Amendments

Raggruppamento per Opera

- Shakespeare, William, 1564-1616.
 - + All's well that ends well
 - + As you like it
 - + Hamlet
 - + Macbeth
 - + Midsummer night's dream

Raggruppamento per famiglie di opere ed espressioni

- Shakespeare, William, 1564-1616. Hamlet.



+ Testi



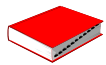
+ Film



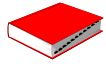
+ RegISTRAZIONI sonore

Raggruppamento per Espressioni

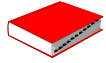
- Shakespeare, William, 1564-1616. Hamlet.



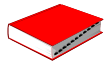
+ Testi – Danese



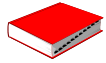
+ Testi – Francese



+ Testi – Inglese



+ Testi – Italiano



+ Testi – Spagnolo

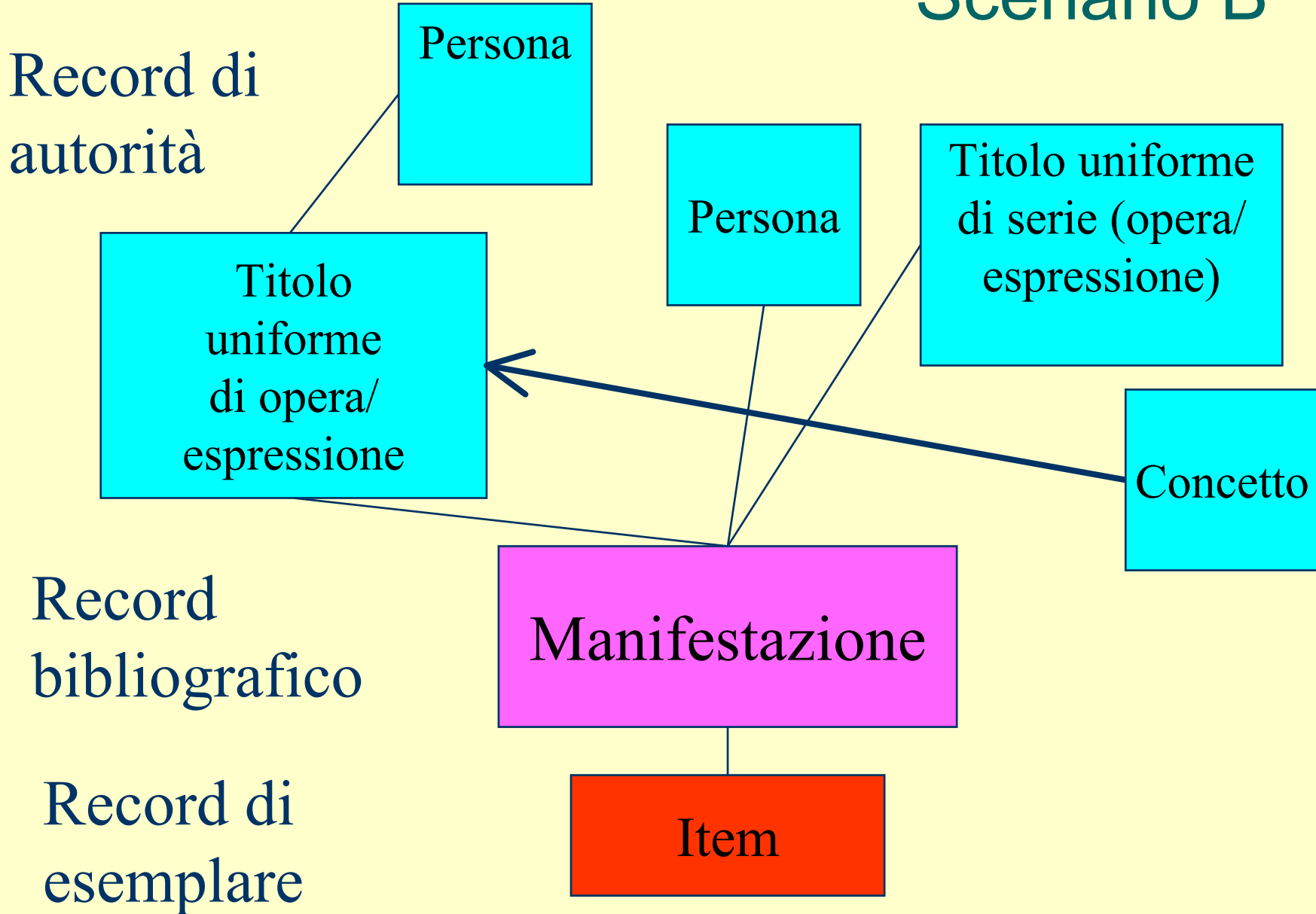


+ Film – Inglese

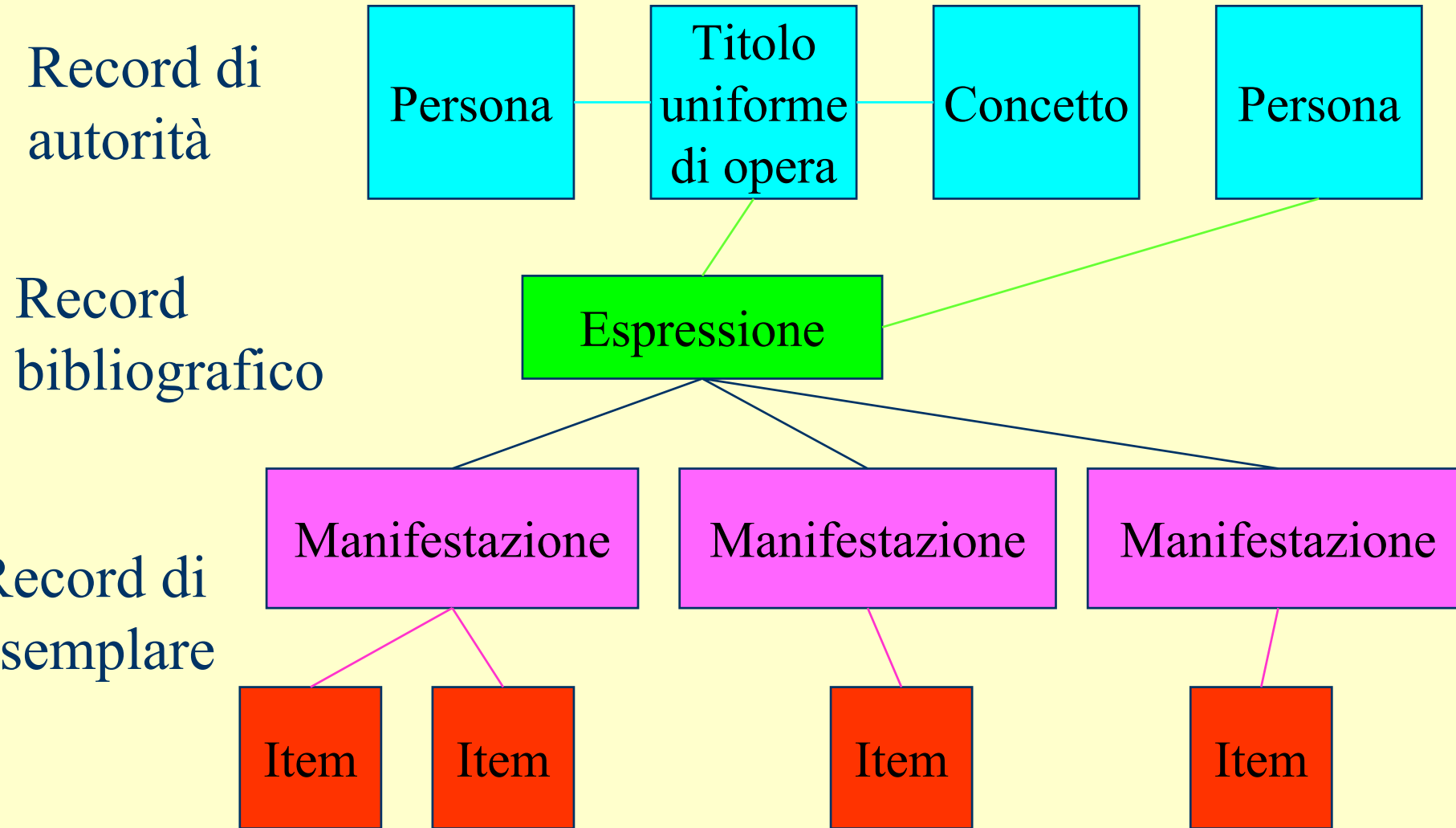


+ Registrazioni sonore - Inglese

Scenario B

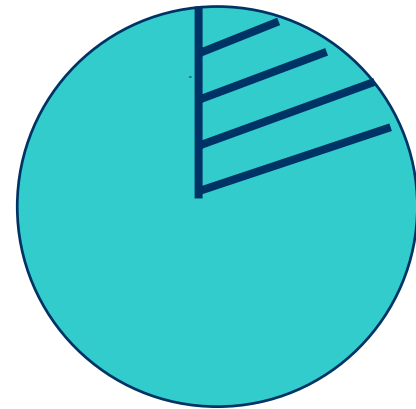


Scenario C



L'utilità di FRBR

- Classici della letteratura vs. pubblicazioni scientifiche
- Esempi tratti dal catalogo collettivo OCLC
 - Stephen King
 - 102 opere, 231 manifestazioni
 - Amleto di Shakespeare
 - 1 opera, 2696 manifestazioni
 - Rowling, J.K. (racconti di Harry Potter)
 - 28 opere, 300 manifestazioni



Applicazioni di FRBR

- Modelli collegati:

- <indec>
- ABC nel Project Harmony (US, UK, Australia)
- Indiana Univ.: Variations2 digital music

- Applicativi:

- Danimarca: VisualCat
- Australia: AustLit
- VTLS: Virtua's "FRBR-ized" catalog
- OCLC's Fiction Finder; in futuro WorldCat
- RLG: progetto di sviluppo del catalogo collettivo

Applicazione di FRBR ad AACR

THE LOGICAL STRUCTURE OF THE ANGLO-AMERICAN CATALOGUING RULES – PART I

Drafted for
The Joint Steering Committee for Revision of AACR

by
Tom Delsey
National Library of Canada

with assistance from
Beth Dulabahn, Library of Congress
Michael Heaney, Oxford University
Jean Hirons, Library of Congress

August 1998

Contenuto dell'analisi di AACR (1)

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ENTITY / ATTRIBUTE / DATA ELEMENT DESCRIPTIONS

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ENTITY / ATTRIBUTE / DATA ELEMENT DESCRIPTIONS

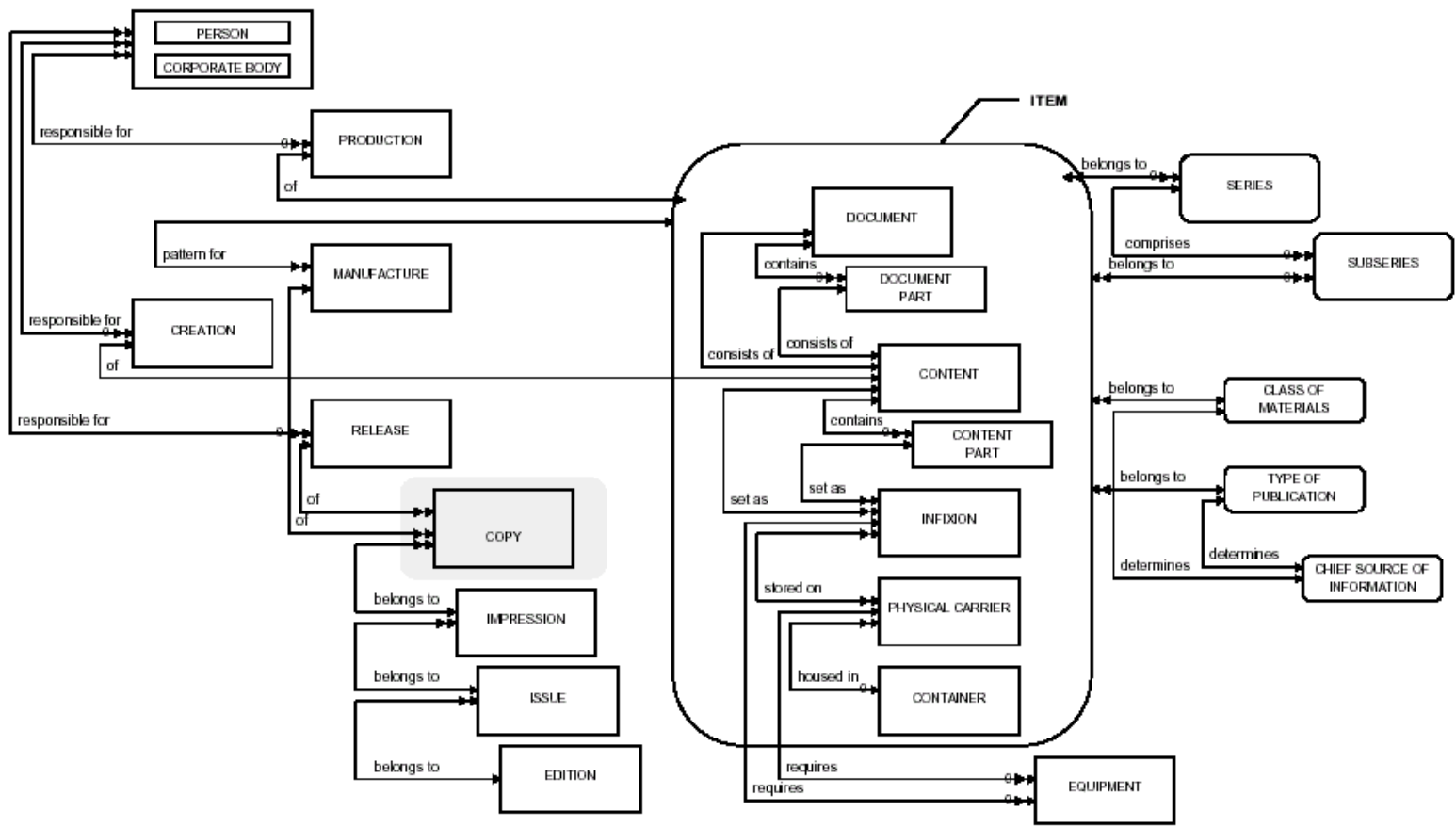
	<i>TAB</i>
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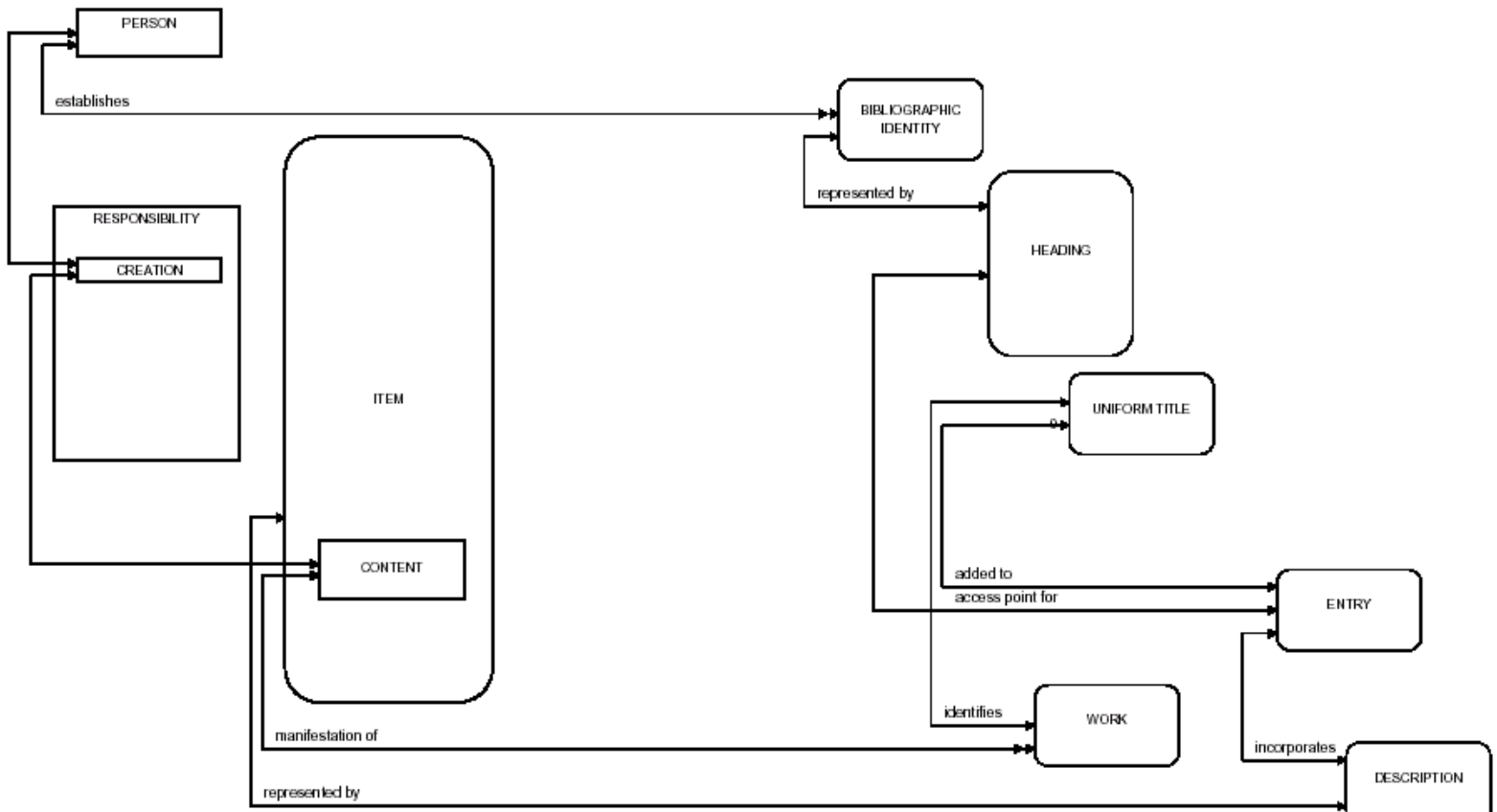
Analisi bibliografica del documento

Figure 4: Item = Published document



Scelta del punto di accesso per autore

Figure 3a: Entry under heading for author or probable author



Displays for Multiple Versions from MARC 21 and FRBR

Mappatura del formato MARC 21

Identificare l'opera

Identificare l'espressione

Identificare/selezionare la manifestazione

Esempio: *The English patient* di M. Ondaatje

Presentazione gerarchica delle manifestazioni

Record MARC con evidenziazione dei dati collegati
alle entità

Ricostruzione della gerarchia delle entità

Esempio: *Heart of Midlothian*

La sperimentazione di OCLC (1)

Casi studio tratti da WorldCat

- Shakespeare, la Bibbia
- Humphry Clinker
- 1.000 titoli scelti a caso
- opere di narrativa
- l'intero catalogo collettivo (47 milioni di notizie)

Approccio

- focalizzazione al livello dell'opera
 - raggruppamento problematico delle espressioni
- procedura efficiente, di facile manutenzione, comprensibile
- pochi errori in presenza di una catalogazione corretta
 - trattamento delle varianti
- confronto con raggruppamenti eseguiti manualmente

La sperimentazione di OCLC (2)

Realizzazione dell'algoritmo di raggruppamento (*clustering*)

- ogni notizia genera una chiave di ricerca
- vengono estratti i dati relativi all'autore e al titolo
 - effettuando una ricerca nell'archivio di autorità NACO
 - integrandoli con eventuali intestazioni secondarie analitiche
- viene prodotta la chiave di ricerca per il record bibliografico
 - queste chiavi di ricerca possono essere confrontate ordinate alfabeticamente, ecc.

La sperimentazione di OCLC (3)

Problemi riscontrati

- molti record (17%) non hanno
 - intestazione principale per autore
 - titolo uniforme
- la corrispondenza non può essere verificata
 - nelle intestazioni secondarie non analitiche
 - quando l'informazione occorrente è al livello dell'espressione/manifestazione
 - quando vi sono documenti multiparte trattati in più notizie
- l'esclusione dal trattamento ha riguardato 180.000 raggruppamenti (*clusters*) pari a ~400.000 record

La sperimentazione di OCLC (4)

<u># Recs</u>	<u>Author/Title Key</u>
8,383	bible\n t
8,055	bible
6,174	bible\authorized
4,033	bible\o t\psalms
3,964	haggadah
3,477	great britain/treaties etc
2,402	bible\o t
2,248	koran
2,153	arabian nights

Stima manuale: 1,5 manifestazioni/opera - Algoritmo: ~1,3
25,844 raggruppamenti: 20+ record
401,659 raggruppamenti: 5+ record

La sperimentazione di OCLC (5)

<u># Recs</u>	<u>Author/Title Key</u>
1,296	defoe, daniel\1661 1731/robinson crusoe
1,248	carroll, lewis\1832 1898/alices adventures in wonderland
971	cervantes saavedra, miguel de\1547 1616/don quixote
828	stevenson, robert louis\1850 1894/treasure island
689	twain, mark\1835 1910/adventures of huckleberry finn
624	twain, mark\1835 1910/adventures of tom sawyer
618	swift, jonathan\1667 1745/gullivers travels
600	andersen, h c\hans christian\1805 1875/tales
581	stowe, harriet beecher\1811 1896/uncle toms cabin
570	arabian nights

2.665.662 record WorldCat – 1.758.479 raggruppamenti
1,5 record/raggruppamento
3.866 raggruppamenti: 20+ record
50.540 raggruppamenti: 5+ record

La sperimentazione di OCLC (6)

FictionFinder

- prototipo che effettua la ricerca e lo scorrimento degli indici (*browsing*) su raggruppamenti per opera (*work clusters*) di pubblicazioni di narrativa
- indicizza i record al livello di opera e ne organizza la presentazione a video per opera ed espressione (secondo la lingua)
- comprende record relativi a pubblicazioni a stampa; altri materiali (video- e audio-registrazioni, ecc.) verranno aggiunti in un secondo tempo

La sperimentazione di VTLS

- L'opac
- Il sistema di catalogazione
- Chameleon iPortal

VTLS – Catalogo FRBR (1)

Search - Borg 9090

Browse | Heading | Keyword | Control Number

Find

Author | beethoven

To begin a browse search of the library catalog,

1. Choose the type of search by clicking the arrow in the first box.
2. Then click in the empty box.
3. Type a whole or partial last name, subject, title, call number or other entry appropriate to the type of search you are doing.
4. Click the Search button or press the ENTER key on your keyboard.

LIBRARY NOTICE

Put your customized library message here and on every other tab

Location Search Cancel

Trova “Beethoven”

VTLS – Catalogo FRBR (2)

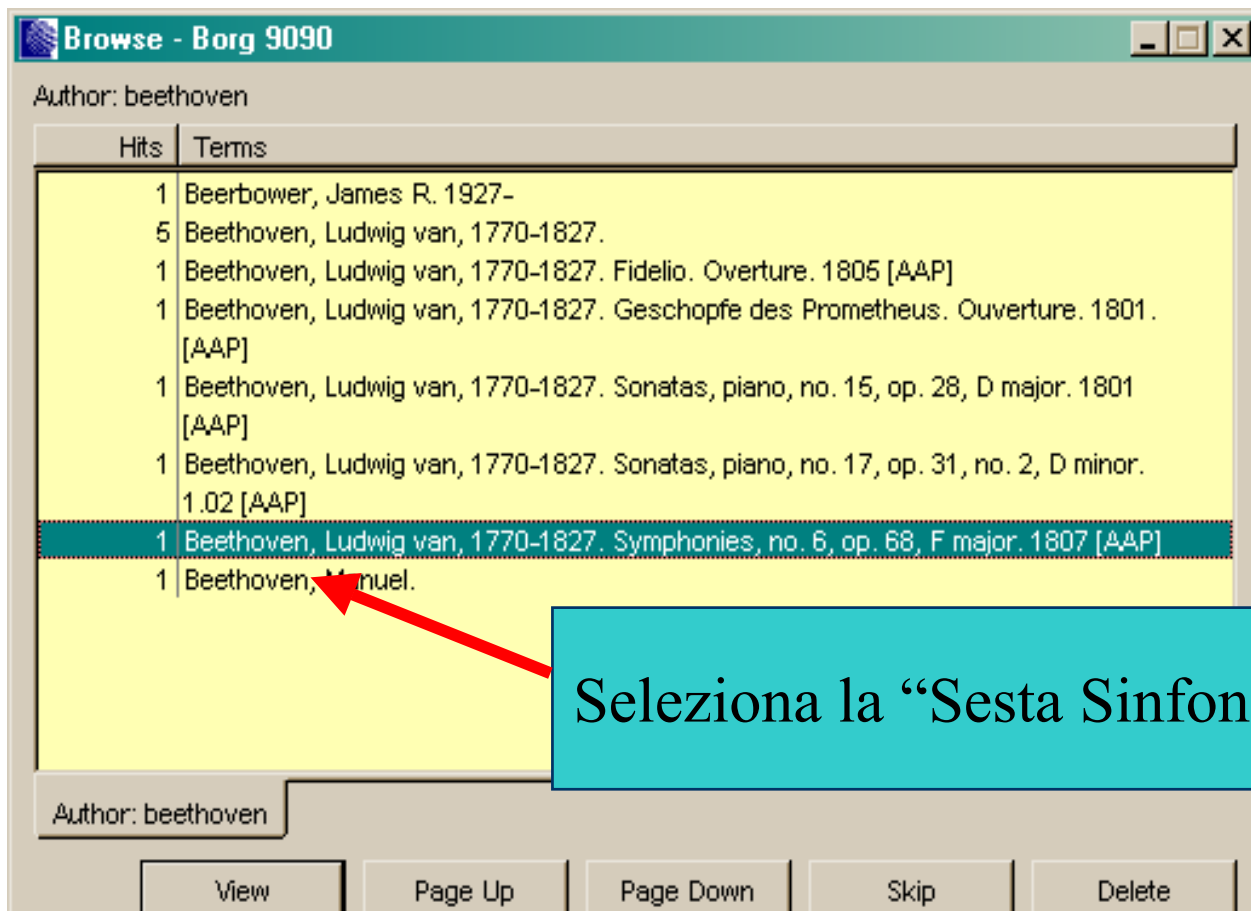
Browse - Borg 9090

Author: beethoven

Hits	Terms
1	Beerbower, James R. 1927-
5	Beethoven, Ludwig van, 1770-1827.
1	Beethoven, Ludwig van, 1770-1827. Fidelio. Overture. 1805 [AAP]
1	Beethoven, Ludwig van, 1770-1827. Geschöpfe des Prometheus. Ouverture. 1801. [AAP]
1	Beethoven, Ludwig van, 1770-1827. Sonatas, piano, no. 15, op. 28, D major. 1801 [AAP]
1	Beethoven, Ludwig van, 1770-1827. Sonatas, piano, no. 17, op. 31, no. 2, D minor. 1.02 [AAP]
1	Beethoven, Ludwig van, 1770-1827. Symphonies, no. 6, op. 68, F major. 1807 [AAP]
1	Beethoven, Manuel.

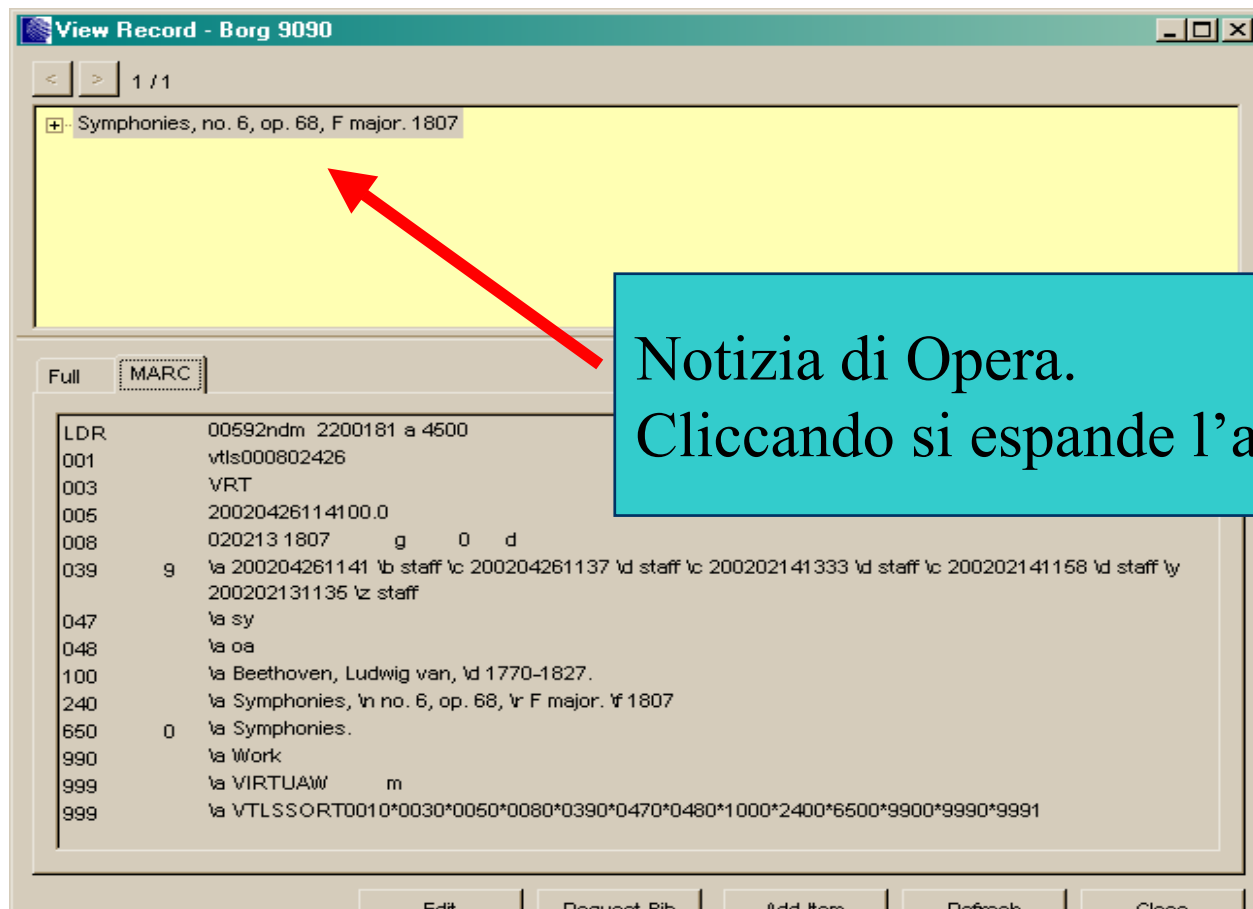
Author: beethoven

View Page Up Page Down Skip Delete



Seleziona la “Sesta Sinfonia”

VTLS – Catalogo FRBR (3)



The screenshot shows a web browser window titled "View Record - Borg 9090". The main content area is highlighted in yellow and contains the text "Symphonies, no. 6, op. 68, F major. 1807". A red arrow points from a text box on the right to this text. Below the main content area, there are two tabs: "Full" and "MARC". The "MARC" tab is selected, and it displays a list of MARC fields and their values. The fields are: LDR (00592ndm 2200181 a 4500), 001 (vtls000802426), 003 (VRT), 005 (20020426114100.0), 008 (020213 1807 g 0 d), 039 (g \a 200204261141 \b staff \c 200204261137 \d staff \e 200202141333 \f staff \g 200202141158 \h staff \i 200202131135 \j staff), 047 (\a sy), 048 (\a oa), 100 (\a Beethoven, Ludwig van, \d 1770-1827.), 240 (\a Symphonies, \n no. 6, op. 68, \r F major. \f 1807), 650 (0 \a Symphonies.), 990 (\a Work), 999 (\a VIRTUAW m), and 999 (\a VTLSSORT0010*0030*0050*0080*0390*0470*0480*1000*2400*6500*9900*9990*9991).

View Record - Borg 9090

< > 1 / 1

+ Symphonies, no. 6, op. 68, F major. 1807

Full MARC

LDR 00592ndm 2200181 a 4500
001 vtls000802426
003 VRT
005 20020426114100.0
008 020213 1807 g 0 d
039 g \a 200204261141 \b staff \c 200204261137 \d staff \e 200202141333 \f staff \g 200202141158 \h staff \i 200202131135 \j staff
047 \a sy
048 \a oa
100 \a Beethoven, Ludwig van, \d 1770-1827.
240 \a Symphonies, \n no. 6, op. 68, \r F major. \f 1807
650 0 \a Symphonies.
990 \a Work
999 \a VIRTUAW m
999 \a VTLSSORT0010*0030*0050*0080*0390*0470*0480*1000*2400*6500*9900*9990*9991

Notizia di Opera.
Cliccando si espande l'albero

VTLS – Catalogo FRBR (4)

View Record - Borg 9090

< > 1 / 1

[-] Symphonies, no. 6, op. 68, F major. 1807

- [-] Musical sound recording - Philharmonia Orchestra ; Vladimir Ashkenazy, conductor.
- [-] Musical sound recording - Royal Philharmonic Orchestra ; Sir Charles Groves, conductor.
- [-] Musical sound recording - Orchestre de la Suisse Romande, Ernest Ansermet, conductor.
- [-] Musical sound recording - Concertgebouw Orchestra of Amsterdam ; Wolfgang Sawallisch, conductor.
- [-] Musical sound recording - Philharmonic Promenade Orchestra of London ; Sir Adrian Boult, conductor.
- [-] Musical sound recording - Philharmonia Orchestra ; Otto Klemperer, conductor.

Full MARC

LDR	00559njm	2200169	a	4500
001	vtls000802465			
003	VRT			
004	vtls000802426			
005	20020222114900.0			
008	020214	1966	0	d
039	g	a 200202221149 b staff y 200202141141 z staff		
511	0	a Royal Philharmonic Orchestra ; Sir Charles Groves, conductor.		
700	1	a Groves, Charles, c Sir, d 1915- 4 cnd		
710	2	a Royal Philharmonic Orchestra. 4 itr		
990	a Expression			
999	a VIRTUAE m			
999	a VTLSSORT0010*0030*0040*0050*0080*0390*5110*7000*7100*9900*9990*9991			

Edit Request Bib Add Item Refresh Close

Visualizzazione delle
Espressioni. 004 funge da
puntatore all'Opera

VTLS – Catalogo FRBR (5)

View Record - Borg 9090

1 / 1

- [-] Symphonies, no. 6, op. 68, F major. 1807
 - [+] Musical sound recording - Philharmonia Orchestra ; Vladimir Ashkenazy, conductor.
 - [-] Musical sound recording - Royal Philharmonic Orchestra ; Sir Charles Groves, conductor.
 - ... Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1964, c1966.
 - Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1976, c1966.**
 - [-] Musical sound recording - Orchestre de la Suisse Romande, Ernest Ansermet, conductor.
 - ... Symphony no. 6 in F major, op. 68 - London, [196-?]

Full | MARC

007	s	d	bsmenn—		
008			020214 1976	0	d
010			\a r 76-750792		
020			\c \$7.98		
028	0	2	\a FW 301 \b Funk & Wagnalls		
028	1	0	\a D4RS-0501 \b Funk & Wagnalls		
028	1	0	\a D4RS-0502 \b Funk & Wagnalls		
039	9		\a 200202221149 \b staff \y 200202141144 \z staff		
245	1	0	\a Symphony no. 6 in F (Pastoral), op. 68 \h [sound recording] / \c Beethoven.		
246	0	1	\a Pastoral \h [sound recording]		
260			\a [New York] : \b Funk & Wagnalls : \b Manufactured by RCA Custom, \c 1976, c1966.		
300			\a 1 sound disc : \b analog, 33 1/3 rpm, stereo. ; \c 12 in.		
440	0		\a Family library of great music ; \w album 1		
500			\a Includes: Ludwig van Beethoven : his life and times, 1770-1804 / by Robert Jacobson. 12 p. : ill. ; 31 cm. — (The Great composers ; 1).		
990			\a Manifestation		

Visualizzazione delle Manifestazioni

VTLS – Catalogo FRBR (6)

Virtua - Borg 99 2545

File Edit Search View Record Circulation Acquisitions Options Tools Window Help

Default connection: Borg 99 2545 Current connection: Borg 99 2545

View Bibliographic Record - Borg 99 2545

1 / 1

Full **Items** MARC

Author: Norris, James,
Title: Places.
Publication: London, Faber, 1972.
Material: 3-186 p. illus. 22 cm.

Status Counts
Checked Out: 0 On Reserve: 0
Available: 2 Requested: 0
On Hold: 0 Other: 0
Total Items: 2 Unsatisfied Requests: 0
Total Requests: 0

Call Number	Location	C...	Status	Item Number
	MBELBH	1	Available	000013058
	Miller Library	1	Available	000013059

Current Selection: 1 / 2

View URL View Item Request Item

Edit Request Bib Add Item Refresh Close

Page 1 Sec 1 1/1 At 1" Ln 1 Col 1 REC TRK EXT OVR English (U.S)

Converti notizia in FRBR

VTLS – Catalogo FRBR (7)

View Bibliographic Record - Borg 99 2545

1 / 1

Places

- Language material - English
 - Places. - Faber, 1972.

Full | MARC

LDR 00279nam a2200121 4500
001 vtls000803911
003 VRT
005 20021213091600.0
008 021213s1972 enka |00000 eng
100 1 0 \a Norris, James, \d 1926-
240 \a Places.
650 0 \a Voyages and travels \y 1951-
999 \a VIRTUAW

Notizia dell'Opera

Edit Request Bib Add Item Refresh Close

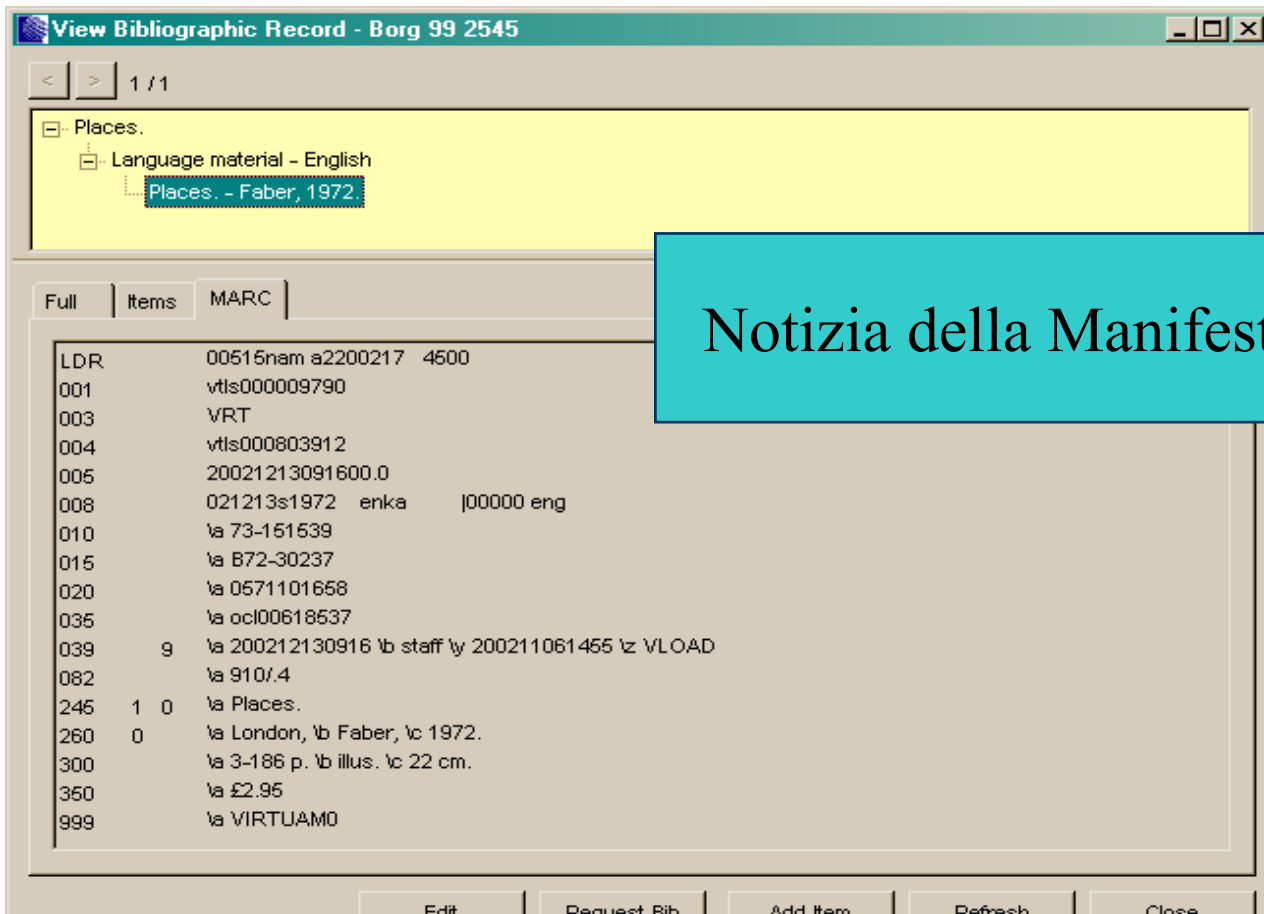
VTLS – Catalogo FRBR (8)

The screenshot shows a window titled "View Bibliographic Record - Borg 99 2545". The interface includes a navigation bar with "<" and ">" buttons and "1 / 1". A tree view on the left shows "Places." expanded to "Language material - English", which is highlighted with a red dashed box. Below this, the text "Places. - Faber, 1972." is visible. A cyan callout box with the text "Notizia dell'Espressione" points to the highlighted title. Below the tree view are tabs for "Full" and "MARC". The "MARC" tab is active, displaying a list of MARC fields:

LDR	00200nam a2200097 4500
001	vtls000803912
003	VRT
004	vtls000803911
005	20021213091600.0
008	021213s1972 enka 00000 eng
999	1a VIRTUAE

At the bottom of the window, there are buttons for "Edit", "Request Bib", "Add Item", "Refresh", and "Close".

VTLS – Catalogo FRBR (9)



The screenshot displays a web-based library catalog interface. The window title is "View Bibliographic Record - Borg 99 2545". The main content area shows a tree view of the record's structure:

- Places.
 - Language material - English
 - Places. - Faber, 1972.

Below the tree view, there are tabs for "Full", "Items", and "MARC". The "Full" tab is selected, showing a MARC record in a text-based format:

Field	Value
LDR	00515nam a2200217 4500
001	vtls000009790
003	VRT
004	vtls0000803912
005	20021213091600.0
008	021213s1972 enka 00000 eng
010	‡a 73-151539
015	‡a B72-30237
020	‡a 0571101658
035	‡a ocl00618537
039	g ‡a 200212130916 ‡b staff ‡y 200211061455 ‡z VLOAD
082	‡a 910/.4
245	1 0 ‡a Places.
260	0 ‡a London, ‡b Faber, ‡c 1972.
300	‡a 3-186 p. ‡b illus. ‡c 22 cm.
350	‡a £2.95
999	‡a VIRTUAM0

At the bottom of the window, there are buttons for "Edit", "Request Bib", "Add Item", "Refresh", and "Close".

Notizia della Manifestazione

VTLS – Opac FRBR (1)

VTLS Chameleon iPortal - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://chaos.vtls.com/cgi-bin/gateway/R2002_41_8/chameleon?sessionid=021108512215910&skin=portal&lng=en

CHAMELEON iPORTAL
FOR THE NEXT GENERATION OF SMART LIBRARIES

SEARCHES [Browse](#) | [Keyword](#) | [Expert](#)
[Broadcast](#) | [Reserve](#) | [Heading Keyword](#) English

[Close Session](#) | [Save Session](#) | [Cart](#) | [View History](#) | [Help](#) | [Home](#)

Patron Access

Patron Id:

Password:

Library: Gala 56 5656

To begin a search in the Catalog...

Enter your search terms. Select a search type. Author

Choose a target database. Borg 90 9090 Click the Search button.

Research on the Web...

Web Search

Directories

- Yahoo
- DMOZ
- Snap

Search Engines

- Alta Vista
- Direct Hit
- Lycos
- Excite
- Webcrawler
- Go.com
- DejaNews
- Google

Meta Searches

- Go2Net
- Search.Com
- Mamma
- DogPile

Enter text to find:

Done

Start Inbox - Microsoft Outlook VTLS Chameleon iPortal VTLS Integrated Manage... Virtua Internet 9:21 AM

VTLS – Opac FRBR (2)

The screenshot shows a Microsoft Internet Explorer browser window displaying the VTLS Chameleon iPortal search results. The browser's address bar contains the URL: `http://chaos.vtls.com/cgi-bin/gateway/R2002_41_8/chameleon?host=borg.vtls.com+9090+DEFAULT&search=KEYWORD&function=INITREQ&search=SCAN&lang=en&initialsearch=1&recsperpage=10&pos=1&conf=.%2Fchameleon.conf&t1=beethoven&u1=1003&host=borg.vtls.com+9090+DEFAULT`. The page header includes the logo "CHAMELEON iPORTAL FOR THE NEXT GENERATION OF SMART LIBRARIES" and navigation links such as "Browse | Keyword | Expert | Broadcast | Reserve | Heading Keyword".

On the left side, there is a "Patron Access" section with input fields for "Patron Id:" and "Password:", a "Submit" button, a "Reset" button, and a "Library:" dropdown menu currently set to "Gala 56 5656". Below this is a "Popular Searches" section with sub-sections for "Recent Additions", "Top News Stories", "Serial Collections", and "Reference & Special Collections".

The main content area shows search results for the query "beethoven". It includes a "Back | Forward" navigation bar and a list of results with "Hit Count" and "Scan Term" columns. The results are as follows:

Hit Count	Scan Term
1	Beerbower, James R. 1927-
5	Beethoven, Ludwig van, 1770-1827.
1	Beethoven, Ludwig van, 1770-1827. Fidelio. Overture. 1805
1	Beethoven, Ludwig van, 1770-1827. Geschöpfe des Prometheus. Overture. 1801.
1	Beethoven, Ludwig van, 1770-1827. Sonatas, piano, no. 15, op. 28, D major. 1801
1	Beethoven, Ludwig van, 1770-1827. Sonatas, piano, no. 17, op. 31, no. 2, D minor. 1.02
1	Beethoven, Ludwig van, 1770-1827. Symphonies, no. 6, op. 68, F major. 1807
1	Beethoven, Manuel.

Below the results is another "Back | Forward" navigation bar and a "Browse Search" section with input fields for "Words:", "Search Type:", and "Database:", along with a "Search" button.

The browser's taskbar at the bottom shows the Start button and several open applications, including "Inbox - Microsoft Ou...", "VTLS Chameleo...", "VTLS Integrated Ma...", and "Virtua". The system clock in the bottom right corner displays "9:24 AM".

VTLS – Opac FRBR (3)

Patron Access

Patron Id:
Password:

Library:

Popular Searches

Recent Additions
New Books List

Top News Stories
Wall Street Journal
Time Magazine
New York Times
Rolling Stone
Newsweek
IRS Documents

Serial Collections
Newspapers
Periodicals

Reference & Special Collections
Videos
Music Scores
Audio Cassettes
Maps
Portraits
Government Publications
Dictionaries

MARC

Author	Beethoven, Ludwig van, 1770-1827.
Title	Symphonies, no. 6, op. 68, F major. 1807
Subject	Symphonies.
Format	Music

Symphonies, no. 6, op. 68, F major. 1807

- Musical Recording - Philharmonia Orchestra ; Vladimir Ashkenazy, conductor.
- Musical Recording - Royal Philharmonic Orchestra ; Sir Charles Groves, conductor.
- Musical Recording - Orchestre de la Suisse Romande ; Ernest Ansermet, conductor.
- Musical Recording - Concertgebouw Orchestra of Amsterdam ; Wolfgang Sawallisch, conductor.
- Musical Recording - Philharmonic Promenade Orchestra of London ; Sir Adrian Boult, conductor.
- Musical Recording - Philharmonia Orchestra ; Otto Klemperer, conductor.
- Musical Recording - Vienna Symphony Orchestra ; Otto Klemperer, conductor.
- Musical Recording - NBC Symphony Orchestra ; Arturo Toscanini, conductor.
- Musical Recording - Leopold Stokowski conducting the New York City Symphony Orchestra
- Musical Recording - BBC Symphony Orchestra ; Arturo Toscanini, conductor.
- Musical Recording - Cleveland Orchestra ; George Szell, conductor.
- Printed Music

Opera

Espressioni

Espressione: Musica a stampa

VTLS – Opac FRBR (4)

VTLS Chameleon iPortal FRBR Record - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <http://021109183216246&skin=portal&conf=%2fchameleon.conf&item1=2000&u1=2000&t1=@96792&scanu1=1003&lng=en&recsperpage=10&pos=1&prevpos=1&scant1=beethoven&> Go Links >>

Password:

Library:

Author Beethoven, Ludwig van, 1770-1827.

Title Symphonies, no. 6, op. 68, F major. 1807

Subject Symphonies.

Format Music

Symphonies, no. 6, op. 68, F major. 1807

- ⊕ Musical Recording - Philharmonia Orchestra ; Vladimir Ashkenazy, conductor.
- ⊖ Musical Recording - Royal Philharmonic Orchestra ; Sir Charles Groves, conductor.
 - Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1984, c1966.
 - Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1976, c1966.
- ⊖ Musical Recording - Orchestre de la Suisse Romande, Ernest Ansermet, conductor.
 - Symphony no. 6 in F major, op. 68 - London, [196-?]
- ⊖ Musical Recording - Concertgebouw Orchestra of Amsterdam ; Wolfgang Sawallisch, conductor.
 - Symphony no. 6 in F, op. 68 - Phonogram ; c1984, p1960.
 - Symphony no. 6 in F, op. 68 - Cassette, [1984] p1960.
 - Symphony no. 6 in F major, op. 68 - Epic, [1962]
- ⊕ Musical Recording - Philharmonic Promenade Orchestra of London; Sir Adrian Boult, conductor.
- ⊕ Musical Recording - Philharmonia Orchestra ; Otto Klemperer, conductor.
- ⊕ Musical Recording - Vienna Symphony Orchestra ; Otto Klemperer, conductor.
- ⊕ Musical Recording - NBC Symphony Orchestra; Arturo Toscanini, conductor.
- ⊕ Musical Recording - Leopold Stokowski conducting the New York City Symphony Orchestra
- ⊕ Musical Recording - BBC Symphony Orchestra; Arturo Toscanini, conductor.
- ⊕ Musical Recording - Cleveland Orchestra ; George

Popular Searches

Recent Additions
New Books List

Top News Stories
Wall Street Journal
Time Magazine
New York Times
Rolling Stone
Newsweek
IRS Documents

Serial Collections
Newspapers
Periodicals

Reference & Special Collections
Videos
Music Scores
Audio Cassettes
Maps
Portraits
Government Publications
Dictionaries
Encyclopedias

Top News Stories

Internet

Espansione delle Manifestazioni

VTLS – Opac FRBR (5)

VTLS Chameleon iPortal FRBR Record - Microsoft Internet Explorer

Address: [http://021109183216246&skin=portal&conf=%2fchameleon.conf&item1=2000&u1=2000&t1=@86792&scanu1=1003&lng=en&recsperpage=10&pos=1&prevpos=1&scant1=beethoven&](#)

Author: Beethoven, Ludwig van, 1770-1827.

Title: Symphonies, no. 6, op. 68, F major. 1807

Subject: Symphonies.

Format: Music

Symphonies, no. 6, op. 68, F major. 1807

- Musical Recording - Philharmonia Orchestra ; Vladimir Ashkenazy, conductor.
- Musical Recording - Royal Philharmonic Orchestra ; Sir Charles Groves, conductor.
 - Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1984, c1966.
 - Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1976, c1966.
- Musical Recording - Orchestre de la Suisse Romande, Ernest Ansermet, conductor.
 - Symphony no. 6 in F major, op. 68 - London, [196-?]
- Musical Recording - Concertgebouw Orchestra of Amsterdam ; Wolfgang Sawallisch, conductor.
 - Symphony no. 6 in F, op. 68 - Phonogram ; c1984, p1960.
 - Symphony no. 6 in F, op. 68 - Casette, [1984] p1960.
 - Symphony no. 6 in F major, op. 68 - Epic, [1962]
- Musical Recording - Philharmonic Promenade Orchestra of London; Sir Adrian Boult, conductor.
- Musical Recording - Philharmonia Orchestra ; Otto Klemperer, conductor.
- Musical Recording - Vienna Symphony Orchestra ; Otto Klemperer, conductor.
- Musical Recording - NBC Symphony Orchestra; Arturo Toscanini, conductor.
- Musical Recording - Leopold Stokowski conducting the New York City Symphony Orchestra
- Musical Recording - BBC Symphony Orchestra; Arturo Toscanini, conductor.
- Musical Recording - Cleveland Orchestra ; George

Popular Searches

Recent Additions
New Books List

Top News Stories
Wall Street Journal
Time Magazine
New York Times
Rolling Stone
Newsweek
IRS Documents

Serial Collections
Newspapers
Periodicals

Reference & Special Collections
Videos
Music Scores
Audio Cassettes
Maps
Portraits
Government Publications
Dictionaries
Encyclopedias

Top News Stories

MARC

Performer note	Royal Philharmonic Orchestra ; Sir Charles Groves, conductor.
Conductor/Performer	Groves, Charles, Sir, 1915-cnd
Orchestra/Group	Royal Philharmonic Orchestra. lir

Visualizzazione dell'Espressione

javascript.toggleElement["vts000802455"];

Internet

VTLS – Opac FRBR (6)

VTLS Chameleon iPortal FRBR Record - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address [http://021109183216246&skin=portal&conf=%2fchameleon.conf&item1=2000&u1=2000&t1=@86792&scanu1=1003&lng=en&recspage=10&page=1&prevpage=1&scat1=beethoven](#)

Patron Id:
Password:

Library:

Popular Searches

Recent Additions
New Books List

Top News Stories
Wall Street Journal
Time Magazine
New York Times
Rolling Stone
Newsweek
IRS Documents

Serial Collections
Newspapers
Periodicals

Reference & Special Collections
Videos
Music Scores
Audio Cassettes
Maps
Portraits
Government Publications
Dictionaries
Encyclopedias

MARC

Author	Beethoven, Ludwig van, 1770-1827.
Title	Symphonies, no. 6, op. 68, F major: 1807
Subject	Symphonies.
Format	Music

Symphonies, no. 6, op. 68, F major: 1807

- Musical Recording - Philharmonia Orchestra ; Vladimir Ashkenazy, conductor.
- Musical Recording - Royal Philhamonic Orchestra ; Charles Groves, conductor.
 - Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1984, c1966.
 - Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1976, c1966.
- Musical Recording - Orchestre de la Suisse Romande, Ernest Ansermet, conductor.
 - Symphony no. 6 in F major, op. 68 - London, [196-?]
- Musical Recording - Concertgebouw Orchestra of Amsterdam ; Wolfgang Sawellisch, conductor.
 - Symphony no. 6 in F, op. 68 - Phonogram ; c1984, p1960.
 - Symphony no. 6 in F, op. 68 - Classeette, [1984] p1960.
 - Symphony no. 6 in F major, op. 68 - Epic, [1962]
- Musical Recording - Philharmonic Promenade Orchestra of London; Sir Adrian Boult, conductor.
- Musical Recording - Philharmonia Orchestra ; Otto Klemperer, conductor.
- Musical Recording - Vienna Symphony Orchestra ; Otto Klemperer, conductor.
- Musical Recording - NBC Symphony Orchestra; Arturo Toscanini, conductor.
- Musical Recording - Leopold Stokowski conducting the New York City Symphony Orchestra
- Musical Recording - BBC Symphony Orchestra; Arturn

MARC

Title	Symphony no. 6 in F (Pastoral), op. 68 [sound recording] / Beethoven.
Other title	Pastoral [sound recording]
Publication Information	New York, N.Y. : Funk & Wagnalls : RCA Custom, 1984, c1966.
Extent	1 sound disc : analog, 33 1/3 rpm, stereo. ; 12 in.
Note	Biographical and program notes by R. Jacobson (12 p. ill.) inserted in container.
Publisher number	FW 601 Funk & Wagnalls

Visualizzazione della Manifestazione

VTLS – Opac FRBR (7)

Esemplari

VTLS Chameleon iPortal FRBR Record - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <http://021109183216246&skin=portal&conf=%2fchameleon.conf&item1=2000&u1=2000&t1=@86792&scanu1=1003&lng=en&recsperpage=100&pos=1&prevpos=1&scant1=beethoven&> Go Links >>

Top News Stories
Wall Street Journal
Time Magazine
New York Times
Rolling Stone
Newsweek
IRS Documents

Serial Collections
Newspapers
Periodicals

Reference & Special Collections
Videos
Music Scores
Audio Cassettes
Maps
Portraits
Government Publications
Dictionaries
Encyclopedias

Top News Stories
Several dead in Jerusalem blast...
BBC Wed Jul 31 07:23:00 EDT 2002
Oregon fires may merge into 180,000-acre blaze...
CNN Wed Jul 31 06:02:00 EDT 2002
Diana fountain design unveiled...
BBC Wed Jul 31 05:09:00 EDT 2002

- Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1976, c1966.
- Musical Recording - Orchestre de la Suisse Romande, Ernest Ansermet, conductor.
- Symphony no. 6 in F major, op. 68 - London, [196-?]
- Musical Recording - Concertgebouw Orchestra of Amsterdam ; Wolfgang Sawallisch, conductor.
- Symphony no. 6 in F, op. 68 - Phonogram ; c1964, p1960.
- Symphony no. 6 in F, op. 68 - Classette, [1984] p1960.
- Symphony no. 6 in F major, op. 68 - Epic, [1962]
- Musical Recording - Philharmonic Promenade Orchestra of London; Sir Adrian Boult, conductor.
- Musical Recording - Philharmonia Orchestra ; Otto Klemperer, conductor.
- Musical Recording - Vienna Symphony Orchestra ; Otto Klemperer, conductor.
- Musical Recording - NBC Symphony Orchestra; Arturo Toscanini, conductor.
- Musical Recording - Leopold Stokowski conducting the New York City Symphony Orchestra
- Musical Recording - BBC Symphony Orchestra; Arturo Toscanini, conductor.
- Musical Recording - Cleveland Orchestra ; George Szell, conductor.
- Printed Music
 - Symphony no. 6, F major, op. 68 : - Pro Art Publications, c1946.
 - Symphony no. 6, in F major (Pastorale), op. 68 / - Kalmus, [19-]
 - Symphony, no. 6, F major : - Eulenburg, [19-]
 - Symphonie VI, F dur : - Wiener Philharmonischer Verlag, [192-?]

MARC [items\(1\)](#)

Title	Symphony no. 6, F major, op. 68 : Pastorale / Beethoven.
Other title	Pastorale
Publication Information	Westbury, N.Y. : Pro Art Publications, c1946.
Extent	1 miniature score (148 p.) ; 19 cm.
Note	Pref. in English.
Note	Pl. no.: PMS 14.
Publisher number	PMS 14 Pro Art Publications
Format	Notated music

Visualizzazione della Manifestazione

javascript:toggleElement("ITEMvtls000802520");

Internet

VTLS – Opac FRBR (8)

The screenshot shows a Microsoft Internet Explorer browser window displaying a library catalog record. The address bar shows a URL with parameters for item 1 of 1. The record is for a musical recording of 'Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1976, c1966'. A callout box highlights the 'Printed Music' section, which includes the link 'Symphony no. 6, F major, op. 68 : - Pro Art Publications, c1946'. A red arrow points from a callout box to this link.

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Wall Street Journal
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BBC Wed Jul 31 07:23:00 EDT 2002
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CNN Wed Jul 31 06:02:00 EDT 2002
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... Symphony no. 6 in F (Pastoral), op. 68 - Funk & Wagnalls : 1976, c1966.
Musical Recording - Orchestre de la Suisse Romande, Ernest Ansermet, conductor.
... Symphony no. 6 in F major, op. 68 - London, [196-?]
Musical Recording - Concertgebouw Orchestra of Amsterdam ; Wolfgang Sawellisch, conductor.
... Symphony no. 6 in F, op. 68 - Phonogram ; c1984, p1960.
Symphony no. 6 in F, op. 68 - Classeette, [1984] p1960.
Symphony no. 6 in F major, op. 68 - Epic, [1962]

full MARC
Items 1 - 1 / 1

1	
Call Number	M1001 .B4 op.68.P8
Shelf Location	MBELB8
Copy	0
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... Musical Recording - Philharmonic Promenade Orchestra of London; Sir Adrian Boult, conductor.
... Musical Recording - Philharmonia Orchestra ; Otto Klemperer, conductor.
... Musical Recording - Vienna Symphony Orchestra ; Otto Klemperer, conductor.
... Musical Recording - NBC Symphony Orchestra; Arturo Toscanini, conductor.
... Musical Recording - Leopold Stokowski conducting the New York City Symphony Orchestra
... Musical Recording - BBC Symphony Orchestra; Arturo Toscanini, conductor.
... Musical Recording - Cleveland Orchestra ; George Szell, conductor.

Printed Music
Symphony no. 6, F major, op. 68 : - Pro Art Publications, c1946.
Symphony no. 6, in F major (Pastorale), op. 68 / - Kalmus, [19-]
Symphony, no. 6, F major : - Eulenburg, [19-]
Symphonie VI, F dur : - Wiener Philharmonischer Verlag, [192-?]

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- **DOI vedi**
- **Kikkoman chronicles vedi**
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OPAC arricchito

BEAT: Bibliographic Enrichment Advisory Team

Esempio: Walking tour

Il record LC

La descrizione dell'editore

Reading group guide

Esempio: Corporate America

Business History Resources

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Catalog record

DOI: multilinking

Yahoo! Search Results for "microsoft antitrust" - Microsoft Internet Explorer

File Modifica Visualizza Vai Preferiti ?

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Categories Web Sites **Web Pages** Related News Shopping

Web Page Matches (1 - 20 of 61)

- [U.S. v. Microsoft: The Inside Story](#)
... Steve Lohr, tell the **story** of the gripping ... comes th
DOI: 1715.10.1036/0071373071S
- [CBS/Marketwatch - Possibl](#)
... Round and round she goes; wh
knows. As early as Friday, a con
DOI: XXX
- [US vs. Microsoft: The E-Story](#)
... Hill on Monday simultaneously released both print and e-book versions of **US v. Microsoft**

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DOI: acquisti online

The screenshot shows a Microsoft Internet Explorer browser window displaying the Barnes & Noble website. The address bar shows the URL: http://doi.contentdirections.com/businessweek/br_excerpt.html. The page features the Barnes & Noble logo and a navigation menu with categories like Home, Bookstore, Out of Print, College Textbooks, Bargain Books, eBooks, Calendars, Music, DVD & Video, PC & Video Games, Magazine Subscriptions, and Online Courses. A search bar is visible with the text "Keyword" and a "SEARCH" button. The main content area displays the product "U.S. v. Microsoft: The Inside Story of the Landmark Case" by Joel Brinkley. The product is available for download, priced at \$24.95, with a Readers' Advantage price of \$23.70. The book's ISBN is 1930161735, published by McGraw-Hill Professional Publishing, and has a sales rank of 261,318. A "Buy it Now!" section includes an "Add To Cart" button and a note that items will be listed in the shopping cart. A "FREE Shipping EXTENDED!" banner is also present.

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DOI: recensioni

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- Address Bar:** http://doi.contentdirections.com/businessweek/index.html
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 - BusinessWeek online** logo and search bar (containing "THE SITE" and a "GO" button).
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 - Text: BUSINESSWEEK ONLINE : OCTOBER 9, 2000 ISSUE
 - BOOKS** section header.
 - Article title: **Microsoft Wars**
 - Sub-headline: **U.S. v. Microsoft: The Inside Story**
 - Author: **By Joel Brinkley and Steve Lohr**
 - Publisher/Price: McGraw-Hill -- 349pp -- \$24.95
 - Text snippet: "In an era of 24-hour cable news, authors often feel compelled to write books about events that are still in flux. *U.S. v. Microsoft*, by reporters Joel Brinkley and Steve Lohr of *The New York Times*, is a case in point. Out just three months after Judge Thomas Penfield Jackson ordered the breakup of the software giant, and months or years before we learn whether Jackson's handiwork stands up on appeal, the book certainly wins the race to market. It also adds a twist to the instant-historical-analysis phenomenon: It may actually have an effect on the case."
 - RELATED ITEMS** section with links: [Microsoft Wars](#), [PHOTO: Cover, "U.S. v. Microsoft"](#)
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